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ROYAL GARDENS, KEW.

BULLETIN

OF

MISCELLANEOUS INFORMATION.

APPENDIX I.—1894.

LIST OF SEEDS OF HARDY HERBACEOUS PLANTS AND OF TREES AND SHRUBS.

The following is a list of such Hardy Herbaceous Annual and Perennial Plants as well as of such Trees and Shrubs as have matured seeds under cultivation in the Royal Gardens, Kew, during the year 1893. These seeds are available for exchange with Colonial, Indian, and Foreign Botanic Gardens, as well as with regular correspondents of Kew. The seeds are only available in moderate quantity, and are not sold to the general public. It is desirable to add that no application, except from remote colonial possessions, can be received for seeds after the end of March.

HERBACEOUS PLANTS.

Acæna cylindrostachya, R. & P., Chili.
macrostemon, Hk. fil., N. Zealand.
microphylla, Hk. fil, N. Zealand.
myriophylla, Ldl., Chili.
ovalifolia, Ruiz et Pavon, Peru.
Sanguisorbæ, Vahl, New Zeal.

Acanthus longifolius, Host., S. Eur.

Achillea Ageratum, L., Europe.
aegyptiaca, L, Eur., etc.
decolorans, Schrad., Eur.
filipendulina, Lam, Caucasus.
ligustica, All., Eur.

Achillea—*cont.*
Millefolium, L., Eur.
Ptarmica, L., Eur.
rupestris, H. P. R., Tyrol.
setacea, W. & K., Eur.

Aconitum heterophyllum, Wall, India.
Lycoctonum, L., Eur., etc.
— var. orientale, Hort.
Napellus, L, Eur., Temp. Asia.
— var. album.
volubile, Pall., Siberia.

Acroglochin chenopodioides, Schrad., W. Himal.

Actæa spicata, L., N. Amer.

Actinolepis coronaria, Gray, Calif.

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Actinomeris squarrosa, Nutt., N. Amer.

Adenophora liliifolia, Bess., Hungary, etc.

Adlumia cirrhosa, Raf., Unit. States.

Adonis æstivalis, L., Eur.

Ægilops triuncialis, L., S. Eur.

Ægopogon pusillus, Beauv., Mexico.

Æthionema Buxbaumii, DC., Thrace.
græcum, B.S., Greece.
pulchellum, Boiss., Armenia.
saxatile, R Br., S. Eur.

Agrimonia odorata, Mill., Eur.

Agropyrum dasyanthum, Led., Siberia.
glaucum, R.S., Eur.

Agrostis alba, L., Eur.
— var. stolonifera, (L.)
interrupta, L., S. Eur.
vulgaris, With., Eur.

Ainsworthia cordata, Boiss., Asia Minor.

Alchemilla alpina, L., Eur.
argentea, Don., Eur.
vulgaris, L., Eur.

Alisma Plantago, L., Eur.

Allium angulosum, L., Siberia.
atropurpureum, W. et K., Hungary.
bauerianum, Baker, Orient.
carinatum, L., Eur.
Cydni, S. & K., Sicily.
fistulosum, L., Siberia.
flavum, L., Eur.
giganteum, Regel., Siber.
globosum, Redouté., S. E., Eur.
var. albidum.
hymenorrhizum, Ledeb., Siberia.
— var. tenuifolium, Regl.
karatavicnse, Rgl., Turkestan.
narcissiflorum, Vill., Eur.
nigrum, L., Eur.
odorum, L., Siberia.
ostrowskianum, Rgl., Asia Minor.
polyphyllum, Kar. et Kir., Siberia.
pulchellum, Don., Eur.

Allium—*cont.*
roseum, L., Eur.
Schœnoprasum, L., Eur.
— var. sibiricum, (L.)
senescens, L., Eur., Siber.
stipitatum, Rgl., Turkestan.
subhirsutum, L., Eur.
urceolatum, Rgl., Turkestan.
ursinum, L., Eur.
Victorialis, L., Eur., Siber., etc.

Alopecurus agrestis, L., Eur.
geniculatus, L., Eur.
nigricans, Hornem., Eur.
pratensis, L., Eur.
— var. fol. variegatis.

Alstrœmeria aurantiaca, Don, Chili.
hæmantha, R. et P., Chili.

Althæa ficifolia, Cav., Dalm., etc.
Heldreichii, Boiss., Macedonia.
rosea, Cav., Eur., Orient.
sulphurea, Boiss. et H., Persia.

Alyssum argenteum, Vitm., Eur.
incanum, L., Eur.
montanum, L., Eur.
podolicum, Bess., Eur., etc.
saxatile, L., Russia.

Amaranthus chlorostachys, Willd., India.
hypochondriacus, L., Amer., etc.
— var. caudatus, (L.)
— var. speciosus, (Don.)
retroflexus, L., Amer., etc.

Amblyolepis (*see* Helenium).

Ambrosia trifida, L., N. Amer.

Amsinckia intermedia, F. and M., N. Amer.

Anacyclus radiatus, Loisl., Eur.

Anagallis arvensis, L., Eur., etc.
— var. carnea, (Schrank.)
— var. cœrulea, (Schreb.)

Anchusa italica, Retz., Eur.
officinalis, L., Eur.

Androsace filiformis, Retz., Eur.
lactiflora, Fisch., Siberia.
nana, Horn, Eur.

Andryala cheiranthifolia, Ait., Madeira.

Anemone albana, Stev., Orient.
baldensis, L., Eur.
coronaria, L., S. Eur., etc.
decapetala, L., N. Amer.
multifida, Poir., N. Amer.
pratensis, Mill., Eur.
Pulsatilla, L., Eur., etc.
rivularis, Buchan., Himal.
sylvestris, L., Eur.

Anethum graveolens, L., Eur.

Angelica dahurica, Benth. et Hook., Japan.

Anoda hastata, Cav., Mexico.
Wrightii, Gray, Mexico.

Antennaria dioica, Gærtn., Eur., etc.
— var. tomentosa.

Anthemis ætnensis, Schouw., Mt. Etna.
Bourgœi, B. et R., Spain.
Kitaibelii, Spr., Hungary.
nobilis, L., Eur.
— var. discoidalis.
peregrina, Willd., S. Eur.

Anthericum Hookeri, Colenso, N. Zealand.
Liliago, L., S. Eur., N. Afr.
— var. algeriense, B. & R.
ramosum, L., Eur.

Anthoxanthum odoratum, L., Eur.
Puelii, Lecoq. et Lamotte, Eur.

Anthriscus Cerefolium, Hoffm., Eur.
sylvestris, Hoffm., Eur.
vulgaris, Pers., Eur.

Anthyllis Vulneraria, L., Eur.

Antirrhinum Asarina, L., Italy.
majus, L., Eur.
meonanthum, Hffgg., Spain, etc.
Orontium, L., Eur.
rupestre, Boiss. et Reut., Spain.

Aquilegia Bertolonii, Schott., Ital.
chrysantha, Gray, N. Amer.
flavescens, S. Wats., Californ.
vulgaris, L., Eur.

Arabis albida, Stev., Caucas.
— var.
alpestris, Schl., Eur.

Arabis—*cont.*
alpina, L., Eur., N. Afr.
cebennensis, DC., Eur.
petræa, Crantz., Eur.
pumila, Jacq., S. Eur.
Soyeri, B. et R., Pyrenees.
stricta, Huds., Eur.
Turczaninowii, Led., Siberia.

Archangelica officinalis, Hoffm., Eur.

Arctium majus, Schk., Eur.
— var. Kotschyi, Hort.

Arenaria fasciculata, Gouan, Eur.
gothica, Fr., Eur.
graminifolia, Schrad., S. Eur.
— var. multiflora.
— var. parviflora.
gypsophiloides, Schreb., Orient.
hirta, Wormsk., Eur.
laricifolia, L., Eur.
purpurascens, Ram., Pyren.

Argemone hispida, Hook., Calif.
mexicana, L., Mexico.
— var. alba.

Armeria maritima, Willd., Eur.
— var. alba.
vulgaris, Willd., Eur.
Welwitschii, Boiss., Spain.

Arnica amplexicaulis, Nutt, N. Amer.
montana, L., Eur.

Arrhenatherum avenaceum, Beauv., Eur.

Artemisia annua, L., S. E. Eur.

Arthraxon Langsdorfii, Trin., China, etc.

Arum italicum, Mill., Eur.
maculatum, L., Eur.

Asparagus officinalis, L., Eur.,

Asperula azurea, Jaub. et Spach., Syria.
galioides, Bbrst., Eur.
tinctoria, L., Eur.

Asphodelus albus, Willd., Eur.
ramosus, L., S. Eur.

Asprella hystrix, Willd., N. Amer.

Aster alpinus, L., Eur.
corymbosus, Ait., N. Amer.
Curtisii, Gray, N. Amer.
puniceus, L., N. Amer.

Aster—*cont.*
— var. lucidulus, Gray.
(A. vimineus, T. et Gr.)
pyrenæus, DC., Pyren.
Radula, Ait., N. Amer.
sibiricus, L., Siber.
tricephalus, C. B. Clarke, Himal.

Astragalus ægyptiacus, Spr., Egypt.
alpinus, L., N. Amer.
boeticus, L., Spain, Italy, etc.
chinensis, L., China.
chlorostachys, Ldl., Himal.
Cicer, L., Eur.
dasyglottis, Fisch., Siber.
frigidus, Gray, N. Amer.
glycyphyllus, L., Eur.
hypoglottis, L., Eur.
— var. albus.
scorpioides, Pourr., Spain.
sulcatus, L., Siber., Taur.

Astrantia Biebersteinii, F. et M., Caucas.
helleborifolia, Salisb. Caucas.
major, L., Eur., etc.
— var. carinthiaca, (Hoppe.)

Athamanta cretensis, L., Eur.
sicula, L., Eur.

Atriplex Babingtonii, Woods, Eur.
hortensis, L., N. Asia.
— var. rubra, Hort.
sibirica, L., Siberia.

Atropa Belladonna, L., Eur.

Aubrietia deltoidea, DC., S. Eur.
— var. græca, (Griseb.)
— var. grandiflora.
— var. Leichtlinii. Hort.
— var. Richardi, Hort.
erubescens, Griseb., Greece.
gracilis, Sprun., Eur.

Avena brevis, Rth., Eur.
distichophylla, Vill., Eur.
fatua, L., Eur.
— var. intermedia, Lindgr.
pratensis, L., Eur. Siber.
pubescens, Huds., Eur.
strigosa Schreb., Eur.

Baeria chrysostoma, F. et M., Calif.
gracilis, Gray, W. Calif.

Bahia lanata, DC., N. Amer.

Baptisia australis, R. Br., N. Amer.

Barbarea intermedia, Bor., Eur.
praecox, Br., Eur.
vulgaris, R. Br., Eur.
— var. variegata.

Beckmannia erucæformis, Host, Eur., etc.

Beta trigyna, W. et K., E. Eur.
vulgaris, L., Eur., Afr., etc.

Bidens humilis, H. B. K., Chili.
leucantha, Willd., N. Amer. etc.

Biscutella ciliata, DC., S. Eur.
didyma, L., S. Eur.
erigerifolia, DC., Spain.

Blitum (*see* Chenopodium).

Blumenbachia insignis, Schrad., Monte Video.

Bocconia cordata, W., China.

Boissiera Danthoniae, A. Br., S. Eur.

Bonaveria Securidaca, Reh., Eur.

Boykinia major, Gray, N. Amer.

Brachycome iberidifolia, Benth., Australia.

Brachypodium distachyum, R. et S., Medit.

Brassica balearica, P., Eur.
campestris, L., Eur., etc.
— var. Shantung Cabbage.
(B. chinensis, L.)
Eruca, L., S. Eur.
Erucastrum, Vill., S. Eur.
juncea, Hk. f. et Th., N. Ind.
nigra, Koch, Eur.
oleracea, L., Eur.
Pollichii, Shuttl.
rugosa, Roxb., Thibet.
Tournefortii, Gouan, Spain, etc.

Briza maxima, L., Eur.
media, L., Eur.
minor, L., Eur.

Brodiæa congesta, Sm., N. Amer.
pedunculatis, Wats., Calif.
uniflora, Bth., Buenos Ayres.

Bromus adœnsis, Hochst.
Biebersteinii, R. et S., Caucas.
breviaristatus, Thurb., N. Amer.
ciliatus, Huds., Eur.
erectus, Huds., Eur., etc.
madritensis, L., Eur.
maximus, Desf., Eur.
mollis, L., Eur., etc.
propeńdens, Jord., Eur.
racemosus, L., Eur.
Taena, Steud., Chili.
tectorum, L., Eur., Asia.

Browallia viscosa, H.B.K., Peru.

Bryonia dioica, L., Eur.

Bulbine annua, Willd., Cape.

Bunias orientalis, L., Orient.

Buphthalmum speciosum, Schreb., Eur.

Bupleurum Candollei, Wall., Himal.
rotundifolium, L., Eur.

Butomus umbellatus, L., Eur.

Calais (*see* Microseris).

Calamintha Clinopodium, Bth., Eur.
grandiflora, Lam., S. Eur.
officinalis, Mich., var. umbrosa, Rchb., Eur.

Calandrinia glauca, Schrad., Chili.
pilosiuscula, DC., Chili.
umbellata, DC., Chili.

Calceolaria mexicana, Benth., Mexico.

Calendula arvensis, L., S. Eur.
hybrida, L., S. Eur.
officinalis, L., S. Eur.

Calliopsis (*see* Coreopsis).

Callirhöe involucrata, Gray, N. Amer.
pedata, Gray, N. Amer.

Callistephus chinensis, Nees., China.

Caltha palustris, L., Eur., etc.
— var. minor, Syme.
radicans, Forster, Eur., etc.

Camassia esculenta, Ldl., N. Amer.

Camelina sativa, Crantz, Eur., etc.

Campanula alliariæfolia, Willd., Caucas.
carpathica, L. fil., Carpath.
— var. alba.
— var. turbinata, (Schott.)
collina, Bbrst., Caucas.
Erinus, L., Eur.
excisa, Schl., Switzerland.
glomerata, L., Eur., etc.
lactiflora, Bbrst., Caucas.
— var. cœrulea.
latifolia, L., Eur., etc.
— var. macrantha, (Fisch.)
— var. versicolor, (Sib. et Sm.)
latiloba, DC., Olympus.
persicifolia, L., Eur., etc.
— var. alba.
— var. maxima
primulæfolia, Brot., Portugal.
ramosissima, S. & S., Dalm.
rapunculoides, L., Eur.
rhomboidalis, L., Eur.
Scheuchzeri, Vill., Eur.
sibirica, L., Eur., Asia.
subpyrenaica, Timb., Eur.
Trachelium, L., Eur.

Cannabis sativa, L.

Cardamine græca, L., Greece.
impatiens, L., Eur.

Carduus acanthoides, L., Eur.
nutans, L., Eur.
orthocephalus, Wallr. ×
stenolepis, (K. et K.), Siber.

Carex adusta, Boot., N. Amer.
Buxbaumii, Whlnb., Eur.
depauperata, Good., Eur.
flava, L., Eur., etc.
Heleonastes, Ehrh., Eur.
hordeiformis, Whlbrg., Eur. Caue.
lagopodioides, Schk., N. Amer.
leporina, L., Eur.
paniculata, L., Eur.
sylvatica, Huds., Eur.
vulpina, L., Eur.

Carpoceras sibiricum, Boiss., Siber.

Carrichtera Vella, DC., Eur.

Carthamus lanatus, L., S, Eur.
tinctorius, L. Eur.

Carum Carvi, L., Eur.
rigidulum, Koch., Italy.

Catananche cœrulea, L., Eur.
lutea, L., Italy, etc.

Cathcartia villosa, Hk. f., Himal.

Caucalis daucoides, L., Eur.

Centaurea alba, L., var. deusta, Ten., S. Eur.
Cyanus, L., Eur.
cynaroides (Less.), Pyrences.
dealbata, Willd., Caucas.
glastifolia, Led., Eur Asia.
gymnocarpa, Mor., Eur.
melitensis, L., Eur
nigrescens, Willd., Eur.
nigra, L., Eur.
Scabiosa, L, Eur.
— var. alba.
— var. olivieriana, (DC.)

Cephalaria alpina, Schrad, Eur.
tatarica, Schrad., Siberia.

Cerastium chloraefolium, F. et M. Orient.
frigidum, Bbrst., Caucas.
ovatum, Hoppe, Eur.
tomentosum, L., var lanigerum, Clem., Eur.

Ceratochloa unioloides, DC., S. Eur.

Cerinthe alpina, Kit., Eur.
aspera, Bth, Eur.
maculata, Bbrst., var. auriculata, Ten., Eur.

Chareis heterophylla, Cass, Cape.
— var. rubra.

Cheiranthus Cheiri, L., Eur.

Chelidonium majus, L., Eur.
— var. fl. pl.
— var. laciniatum.

Chelone Lyoni, Pursh, N. Amer.

Chenopodium album, L., Eur.
aromaticum, Hort., Berlin.
Atriplicis, L., China.
Bonus-Henricus, L., Eur.
Botrys, L., Eur.
capitatum, Wats., Eur.
fœtidum, Schrad., Eur.
graveolens, Willd., Mexico.
opulifolium, Schrad., Eur.
virgatum, Benth. et Hook., S. Eur.

Chorispora tenella, DC., Cauc., etc.

Chlorogalum pomeridianum, Ldl., Calif.

Chrysanthemum carinatum, Schousb., N. Afr.
— var. atrococcineum.
cinerariæfolium, Vis., Dalmatia.
coronarium, L., S. Eur.
— var. album.
— var. fl. pl.
corymbosum, L., Eur.
latifolium, Willd., Eur.
maximum, DC., Pyrenees.
macrophyllum, W. et K., Eur.
multicaule, Desf., N. Afr.
Parthenium, Pers., Eur.
segetum, L., Eur.
setabense, Duf., Eur.
Tchihatcheffii (Pyrethrum, Regel), Siber.
viscosum, Desf., Spain.

Cicer arietinum, L., Eur.

Cichorium Intybus, L., Eur.

Cimicifuga fœtida, L., Eur.
— var. intermedia.
racemosa, Nutt., N. Amer.

Circaea lutetiana, L., Eur., etc.

Clarkia elegans, Lindl., Calif.
pulchella, Pursh., N. Amer.
— var. alba.

Claytonia perfoliata, Don., N. Amer.
sibirica, L., N. Amer.

Clematis integrifolia, L., S. Eur.
ochroleuca, Ait., N. Amer.
recta, L., Eur., etc.

Cleome speciosa, H. B., Carthagenia.
violacea, L., Eur.

Cnicus altissimus, Willd., N. Amer.
arachnoideus, Wall., Himal.
canus, Willd., Eur.
ciliatus, Willd., Eur.
fimbriatus, Bieb., Taurus.
horridus, Bbrst., Cauc.
intermedius, Heller., Eur.
lanceolatus, Willd., Eur.
monspessulanus, L., Eur.
syriacus, Willd., Medit.

Cochlearia glastifolia, L., S. Eur.
officinalis, L., Eur.

Codonopsis ovata, Benth., Himal.

Colchicum speciosum, Stev., Caucas.

Collinsia bartsiæfolia, Benth., Calif.
bicolor, Benth., Calif.
— var. multicolor.
grandiflora, Dougl., N. Amer.
parviflora, Dougl., N. Amer.

Collomia coccinea, Lehm., Chili.
gilioides Benth, Calif.
grandiflora, Dougl., Calif.
linearis, Nutt., Calif.

Conringia perfoliata, Link, Eur.

Convallaria majalis, L., Eur., Amer.
— var. major.
— var. rosea.

Convolvulus tricolor, L., Medit.
— var. alba.
— var. monstrosa.
undulatus, Cav., Medit.

Coreopsis auriculata, L., N. Amer.
coronata, Hook, E. Texas.
Douglasii, B. et H., Calif.
Drummondi, T. & G., Texas.
grandiflora, Nutt., N. Amer.
maritima, Hook, Calif.
lanceolata, L, N. Amer.
— var. villosa, Michx.
tinctoria, Nutt., N. Amer.
— var. atrosanguinea.
— var. bicolor.

Coriandrum sativum, L., Eur., etc.

Corispermum hyssopifolium, L., S. Eur.

Cortusa Matthioli, L., Eur.
— var. grandiflora.

Corydalis glauca, Pursh., United States.

Cosmos bipinnatus, Cav., Mexico.

Cotula coronopifolia, L., Eur.
filicula, Hk. fil., Australia.

Crambe pinnatifida, R. & S., Turkest.

Crepis Candollei, Spr., Eur.
grandiflora, Tausch., Eur.
hyoscridifolia, Tausch., Eur.
pulchra, L., Eur.
rubra, L., S. Eur.
setosa, Hall. f., Eur.
tectorum, L. fil., Eur., Siberia.

Crocus bannaticus, Heuffel, Transylvania.
etruscus, Parl., Tuscany.
gargaricus, Herb., W. Bithynia.
Imperati, Ten., Italy.
medius, Balbis, Riviera.
nudiflorus, Sm., Eur.
pulchellus, Herb., Greece.
reticulatus, Bbrst., Caucas.
sativus, L., Cult.
— var. cartwrightianus, Herb.
Sieberi, Gay, Greece, etc.
speciosus, Bbrst., Caucas., etc.
suaveolens, Bert., C. Italy.
tommasinianus, Herb., Dalmat.
vernus, All., C. Eur.
versicolor, Ker., Eur.
zonatus, Gay, Cilicia.

Crucianella ægyptiaca, L., Egypt.

Cryptostemma calendulaceum, R.Br., Cape.

Cuminum Cyminum, L. Egypt.

Cuphea lanceolata, Ait., Mexico.
viscosissima, Jacq., Amer.
Zimapani, Roezl, Mexico.

Cynodon Dactylon, Pers., Eur.

Cynoglossum officinale, L., Eur.
pictum, Ait., Eur.

Cynosurus cristatus, L., Eur.
elegans, Desf., S. Eur.

Cysticapnos africanus, Gærtn., Cape.

Czackia Liliastrum, Andrz., S. Eur.

Dactylis glomerata, L., Eur., etc.

Dahlia coccinea, Cav., Mexico.
scapigera, L. & O., Mexico.
variabilis, Desf., Mexico.

Datura lævis, L. fil., Africa.
Stramonium, L., Eur.
Tatula, L., Eur., etc.
— var. gigantea.

Daucus Carota, L., Eur., etc.
hispidus, Desf., Eur., N. Afr.

Delphinium Ajacis, Reichb., S. Eur.
— var. fl pl.
Brunonianum, Royle, Himal.
cardiopetalum, DC., Eur.
caucasicum, L., Caucas.
Consolida, L., Eur.
crassifolium, Schrad., Cauc.
dictyocarpum, DC., Siberia.
elatum, L., Eur., etc.
— var. intermedium.
formosum, Hort.
grandiflorum, L., China, etc.
Maackianum, Regel., Asia Minor.
orientale, Gay, Eur., Orient.
Staphisagria, L., Eur.
triste, Fisch., Siberia.
trolliifolium, Gray, Amer.
vestitum, Wall., Himal.

Deschampsia cæspitosa, Beauv., Eur.
flexuosa, Trin., Eur.

Desmazeria sicula, Dmrt, Eur.

Dianthus arenarius, L., Eur.
atrorubens, All, Eur.
callizonus, Sch. & Ky., Transyl.
Caryophyllus, L., Eur.
cæsius, Sm., Eur.
— var.
deltoideus, L, Eur.
fimbriatus, Bbrst., Orient.
fragrans, Bbrst., Caucas.
giganteus, D'Urv., E. Eur.
intermedius, Boiss., var. ambiguus, Panc., Servia.
liburnicus, Bartl, Eur.
longicaulis, Ten, Italy.
monspessulanus, L., Eur.
Mussini, Hornm., Caucas.
pelviformis, Heufll., Transyl.
petræus, W. & K., E. Eur.
plumarius, L., Eur.
— var. serotinus.
prolifer, L., Eur.
pulchellus, Pers, Eur.
Requienii, G. et G, S. Eur.
tener, Balb., Eur.

Dictamnus albus, L., W. Eur., Jap.

Digitalis lutea, L., Eur.
purpurea, L., Eur.
— var. alba, Hort.

Dimorphotheca annua, Less., Cape.

Dioscorea pyrenaica, Bub. et Bord., Pyren.

Diplotaxis erucoides, DC., Mediter.
tenuifolia, DC., Eur.

Dipsacus asper, Wall., Himal.
atratus, Hkf. & Th., Himal.
Fullonum, L.
laciniatus, L., Eur.
sylvestris, L., Eur.

Dodecatheon Meadia, L., N. Amer.
— var. macrocarpum, Gray.

Doryenium herbaceum, Vill., Eur.

Draba aizoides, L., Eur.
arabisans, Michx., N. Amer.
borealis, DC., Isl. of St. Paul.
frigida, Saut., Alps, Eur.
incana, L., Eur.
— var. stylaris, (Gay.)
Kotschyi, Stur., Transyl.
lasiocarpa, Reichb., S. Eur.
Loiseleurii, Boiss., Corsica.
longirostra, S.N.K., Transyl.
stellata, Jacq., Transyl.

Dracocephalum Moldavica, L., Siber., etc.
nutans, L., Siberia.
parviflorum, Nutt., N. Amer.
peregrinum, L., Siberia.

Dryas octopetala, L., Eur., Amer.

Echinops globifer, Janka, Transyl.
bannaticus, Roch., Eur.
sphærocephalus, L., Eur.

Elsholtzia cristata, Willd., S. Eur.

Elymus canadensis, L., N. Amer.
— var. glaucifolius, Gray.
sibiricus, L., Siber.
virginicus, L., N. Amer.

Emex spinosa, Camb., S. Eur.

Encelia subaristata, Gray, N. Amer.

Epilobium alpestre, Jacq., Eur.
alsinefolium, Vill., Eur.
angustifolium, L., Eur.
— var. album.
Fleischeri, Hochst., Eur.
hirsutum, L., Eur.
Lamyi, Schultz, S. Eur.
linnæoides, Hook. fil., N. Zeal.
mexicanum, Moc., Mexico.
nummulariæfolium, A. Cunn., N. Zeal.

Epilobium—*cont.*
— var. longipes.
— var. pedunculare, Cunn.
roseum, Retz., Eur.
rosmarinifolium, Hænke, Eur.
— var. sericeum.

Eranthis hyemalis, Salisb., Eur.

Eremurus altaicus, Stev., Altai.
Kaufmanni, Regel., Turkestan.

Erigeron aurantiacus, Regel., Turkestan.
bellidifolius, Muhl., N. Amer.
glabellus, Nutt., N. Amer.
— var. asperus, Gray.
pulchellus, Regel., Turkestan.
strigosus, Muhl., N. Amer.

Erinus alpinus, L., Eur.
— var. albus.

Eritrichium strictum, Dcne., Himal.

Erodium gruinum, Willd., Sicily.
macradenium, L'Herit., Alps.
malacoides, Willd., Eur.
moschatum, L'Her., Eur.
Salzmanni, Del., Eur.
serotinum, Stev., Orient.

Ervum Lens, L., Eur., etc.

Eryngium giganteum, Bbrst., Caucas.
macrocalyx, Schr., Songaria.
oliverianum, Delar. Orient.

Erysimum aureum, Bbrst., Eur., Orient.
marshallianum, Andrz., Siber.
perowskianum, Fisch. et Mey., Caucus.
Wahlenbergii, Simonk, Transs.

Erythræa Centaurium, P., Eur.

Eschscholtzia californica, Cham., Calif.
— var. alba.
— cæspitosa, Brewer.

Eucharidium concinnum, F. et M., Calif.
— var. grandiflorum.

Eupatorium ageratoides, L., N. Amer.
cannabinum, L., Eur.

Euphorbia exigua, L., Eur.
flavicoma, DC., Eur.
hierosolymitana, Boiss., Syria.
Myrsinites, L., Eur.
Preslii, Guss., Eur.

Farsetia clypeata, Br., S. Eur.

Fedia Cornucopiæ, G., Eur.

Ferula communis, L., Eur.
glauca, L., S. Eur.
— var. candelabra, Heldr.
Linkii, Web., Canaries.

Festuca capillifolia, Duf., Spain.
delicatula, Lag., Eur.
duriuscula, L., Eur., Amer.
— sub-var. crassifolia.
elatior, L., Eur., etc.
— var. pratensis, (Huds.)
gigantea, Vill., Eur.
Halleri, All., S. Eur.
heterophylla, Lam., Eur.
Myurus, L., Eur.
Panciciana, Hack., Orient.
rigida, Kunth, Eur.
sciuroides, Roth, Eur.
scoparia, Kern., Pyren.

Fritillaria armena, Boiss., Asia Minor.
delphinensis, Gren., Eur.
— var. Moggridgei, (Boiss. et Reut.).
Meleagris, L., Eur.
— var. alba.
ruthenica, Wikstr., Orient.

Fumaria amarysia, B. et. H., Eur.
densiflora, DC., Eur.
— var. (micrantha, Lag.)
major, Bad., Eur.

Funkia lancifolia, Spr., Japan.
— var. albo-marginata, Hort.
ovata, Spr., Japan.
sieboldiana, Lodd., Japan.

Gaillardia pulchella, Foug., N. Amer.
— var. grandiflora.

Galega officinalis, L., Eur.
orientalis, Lam., Orient.

Galeopsis pyrenaica, Bartl., Pyren.

Galinsoga brachystephana, Regel., S. Amer.
parviflora, Cav., Amer.

Galium boreale, L., Eur.
parisiense, L., Eur.
recurvum, Reg., Greece.
saccharatum, All., Eur.
tenuissimum, Bbrst., Cauc.
tricorne, With., Eur.
uliginosum, L., Eur.
verum, L., Eur.

Gaudinia fragilis, P.B., S. Eur.

Gaura parviflora, Dougl., N. Amer.

Gentiana acaulis, L., Eur.
asclepiadea, L., S. Eur.
— var. alba.
cruciata, L., Eur. Siber.
lutea, L., Eur.
Pneumonanthe, L., Eur.
septemfida, Pall., Caucas.
tibetica, King, Himal.

Geranium albanum, M. B., Tauria.
armenum, Boiss., Orient.
columbinum, L., Eur.
eriostemon, Fisch, Caucas.
gymnocaulon, DC., Caucas.
Londesii, Fisch., Siber.
lucidum, L., Eur.
maculatum, L., N. Amer.
molle, L., Eur.
nodosum, L., Eur.
pratense, L., Eur.
— var. alba.
pyrenaicum, L., Eur.
rivulare, Vill, Eur.
rotundifolium, L., Eur.
sylvaticum, L., Eur.
Vlassovianum, Fisch., Siber.
wallichianum, Sw., Himal.

Gerbera Anandria, Schultz., China, Japan.

Geum chilœnse, Balb., Chili.
— var. grandiflorum, Ldl.
— var. miniatum, Hort.
hispidum, Fr., Spain.
macrophyllum, Willd., Siber.
montanum, L., Alps, Eur.
rivale, L., Eur.
triflorum, Pursh., N. Amer.
urbanum, L., Eur., etc.

Gilia achilleæfolia, Bth., Calif.
androsacea, Steud., Calif.
— var. rosea.
capitata, Dougl., Calif.
inconspicua, Dougl., Calif.
laciniata, R. et P., Chili, Peru.
micrantha, Steud., Calif.

Gilia—*cont.*
squarrosa, Hook. et Arn., Amer.
tricolor, Benth., Calif.
— var. alba.

Gladiolus segetum, Gawl., S. Eur.

Glaucium corniculatum, Curt., S. Eur.
— var. rubrum, Hort.
flavum, Crantz., var. fulvum, Sm.

Glyceria maritima, Wahl., Eur
remota, Fr., Eur.

Gnaphalium indicum, L., India.

Gunnera scabra, R. et P., Peru, etc.

Gypsophila paniculata, L., Siberia.
Rokejeka, Del., Egypt.

Hablitzia tamnoides, Bbrst., Caucas.

Hastingia alba, S. Wats., N. Amer.

Hebenstreitia dentata, Thunb., Cape.
tenuifolia, Schrad, Cape.

Hedysarum boreale, Nutt., N. Amer.
microcalyx, Baker., Himal.
neglectum, Ledeb., Altai.
obscurum, L., Eur.

Helenium autumnale, L., N. Amer.
Bolanderi, Gray, N. Amer.
setigerum, B. et H., California.

Helianthemum polifolium, Mill., Eur.
vulgare, Gærtn., Eur.

Helianthus annuus, L., N. Amer.

Helichrysum bracteatum, Willd., Austral.
— var. album.
— var. luteum.

Heliophila amplexicaulis, L. fil., Cape.
araboides, Sims, Cape.
crithmifolia, Willd, Cape.

Helipterum Manglesii, Bth., Austral.
Milleri, Hort., Australia.
roseum, Benth., Australia.

Helleborus colchicus, Regel., Hort. ×.
fœtidus, L., Eur.
orientalis, Lam., Greece.
— var. roseus.

Helminthia echioides, G., Eur.

Helonias bullata, L., N. Amer.
— var. latifolia.

Hemerocallis flava, L., S. Eur.
fulva, L., S. Eur., etc.
— var. Kwanso, Regel.

Heracleum Panaces, L., S. Eur.
pubescens, Bbrst., var. gummiferum, Willd., Eur.
villosum, Fisch., Russia.

Hesperis matronalis, L., Eur., Siber.

Heuchera Drummondi, Hort.
glabra, Willd., N. Amer.
pilosissima, F. et M., N. Amer.
sanguinea, Eng., N. Amer.

Hibiscus Trionum, L., Cosmopol.

Hieracium alpinum, L. Eur.
aurantiacum, L., Eur.
integrifolium, Lge., Eur.
Jankæ, Uechtr., E., Eur.
longifolium, Schleich., Eur.
maculatum, Sm., Eur.
nigrescens, W., Eur.
onosmoides, Fr., Eur.
pallidum, Biv., Eur.
pratense, Tausch., Eur.
saxatile, Jacq., S. Eur.
stoloniflorum, W. et K., S. Eur.
villosum, L., Eur.
virgatum, Pursh., N. Amer.
vulgatum, Fr., Eur.

Holcus lanatus, L., Eur.

Hordeum murinum, L., Eur.
pratense, Huds., Eur.
vulgare, L., Sicily.

Horminum pyrenaicum, L., Pyren.

Hyacinthus amethystinus, L., Spain.
romanus, L., S. Eur., etc.

Hydrophyllum canadense, L., N. Amer.
virginicum, L., N. Amer.

Hymenophysa pubescens, Meyer., Siber.

Hyoscyamus niger, L., Eur.
— var. albus, Hort.
orientalis, Bbrst., Cauc.

Hypecoum procumbens, L., S. Eur.

Hypericum Richeri, Vill., Eur.
— var. Burseri, Sp., Transs.

Hypochæris arachnoidea, Poir., N. Afr.

Iberis amara, L., Eur.
ciliata, All, Alp. Marit.
garrexiana, All., Pyrenees.
lagascana, DC., Spain.
pectinata, Boiss., Spain.
umbellata, L., S. Eur.
— var. carnea.

Impatiens parviflora, DC., Siberia, etc.
Roylei, Walp., Himal.
tricornis, Wall., Himal.

Inula ensifolia, L., Eur.
grandiflora, Willd., Caucas., etc.
Helenium, L., Eur.

Iris aurea, Ldl., Himal.
fulva, Muhl, N. Amer.
Pseudacorus, L., Eur., etc.
setosa, Pallas, Siberia.
— var. atropurpurea.
sibirica, L., Eur., Siberia.
spuria, L., Eur.
— var. notha, Bbrst.
versicolor, L., N. Amer.

Isatis tinctoria, L., Eur., etc.

Juncus balticus, Willd., Eur.
compressus, Jacq., Eur.
effusus, L., Eur.
lamprocarpus, Ehrh., Eur.
platycaulis, H.B.K., S. Amer.

Kochia scoparia, Schrad., Eur.

Kœleria Berythea, B. et B., Syria.
cristata, Pers., Eur.
phleoides, P., Eur.

Lactuca canadensis, L., N. Amer.
flavida, Jord., S. Eur.
hirsuta, L. N. Amer.
Ludoviciana, Riddel, N. Amer.
Plumieri, Gren. et Godr., S. Eur.
Scariola, L., Eur.
undulata, Ledeb., Siberia.

Lallemantia peltata, Fisch. et Mey., Caucas.

Lasthenia glaberrima, DC., Amer.
obtusifolia, Cass., Chili.

Lathyrus angulatus, L., S. Eur.
Aphaca, L., Eur.
aureus, Benth. et Hook., Taur.
Clymenum, L., S. Eur.
filiformis, Lam., S. Eur.
hirsutus, L., Eur.
latifolius, L., Eur.
— var. ensifolius, Bad.
luteus, B. et Hk. f., Eur., etc.
macrorrhizus, Wimm., Eur.
niger, Wimm., Eur.
Ochrus, L., Eur.
pannonicus, Gcke., var. varius, Sol., Eur.
pisiformis, L., Siberia, etc.
rotundifolius, Willd., Caucas.
sativus, L. var. albus.
sphæricus, Retz., Eur.
sylvestris, L., Eur.
— var. Wagneri.
tingitanus, L., N. Afr.
— var. atropurpureus.
tuberosus, L., Eur.
venosus, Muhl., N. Amer.
— var.

Lavatera thuringiaca, L., Eur., etc.
trimestris, L., Medit.
— var. alba.

Layia Calliglossa, Gray., Calif.
elegans, T. et G., Calif.
glandulosa, Hk. et Arn., Calif., etc.

Leontodon Ehrenbergii.
Müller, (Sz.), Eur.

Leontopodium alpinum, Cass., Eur.

Lepidium calycotrichum, Kze., Eur.
Draba, L., Eur.
incisum, Roth, Eur.
Menziesii, DC., N. Amer.
sativum, L., Eur.
virginicum, L., N. Amer.

Leptochloa fascicularis, Gr., N. Amer.

Lepturus cylindricus, Trin., Eur.

Leuzea conifera, DC., Eur.

Libanotis montana, Crantz, Eur.
sibirica, Koch., Eur., etc.

Ligusticum pyrenæum, Gouan., Pyrenees.
scoticum, L., Eur.
Seguieri, Koch., S. Eur.

Limnanthes Douglasii, R. Br., Amer.
— var. grandiflora.

Linaria anticaria, Boiss., Spain.
bipartita, Willd., N. Afr.
Broussonetii, Poir., Orient.
chalepensis, Mill., Eur.
dalmatica, Mill., Dalm.
genistæfolia, Mill., Eur.
— var. linifolia, Grab.
minor, Desf., Eur., N. Afr.
minutiflora, Mey., Caucas.
Perezii, Gay, Eur.
prætermissa, Delas., France.
purpurea, L., Eur., etc.
reticulata, Desf., N. Afr.
— var. purpurea.
saxatilis, Hffgg., Eur.
spartea, Hoffm., S. Eur.
triphylla, Willd., S. Eur.
tristis, Mill., S. Eur.
vulgaris, Mill., Eur.

Lindelophia spectabilis, Lehm., Himal.

Linum alpinum, L., Eur.
angustifolium, L., Eur.
grandiflorum, Desf., N. Afr.
— var. coccineum.
maritimum, L., Eur.
perenne, L., Eur., etc.
— Lewisii, (Mhlbrg.)
usitatissimum, L., Eur.

Lithospermum latifolium, Michx., N. Amer.

Loasa lateritia Gill. et Hook., Chili.
volcanica, Andr., New Gren.

Lobelia cliffortiana, L., N. Amer.
Erinus, L., Cape.

Lolium perenne, L., Eur.
— var. italicum, (Braun.)

Lonas inodora, Gærtn., Sicily.

Lopezia coronata, Andr., Mexico.

Lophanthus rugosus, F. et M., China.

Lotus corniculatus, L., Eur.
major, Scop., Eur.
ornithopodioides, L., Eur.
tenuis, W. et K., Eur., etc.

Lunaria annua, L., Eur.
rediviva, L., S. Eur.

Lupinus angustifolius, L., S. Eur.
— var. macrocarpus, Hort.
Cosentini, Guss., Greece, etc.
densiflorus, Benth, Calif.
elegans, H. B. K., Mexico.
hilariensis, Benth., Brazil.
luteus, L., Europe.
Menziesii, Agardh., Calif.
micranthus, Dougl., N. Amer.
polyphyllus, Ldl, N. Amer.
pubescens, Benth., N Amer.
pulchellus, Sweet., Mexico.
recurvatus, Meyer., Chili.
tricolor, Hort.
varius, L., Eur.

Luzula angustifolia, Poir., Carolina
campestris, DC., Eur.
nivea, Desv., Eur.

Lychnis alba, Mill., Eur.
chalcedonica, L., E. Eur., etc.
coronaria, Lam., Eur.
diurna, Sibth., Eur.
Flos-jovis, Desv., S. Eur.
Githago, Lam., Eur.
Lagascæ, Nym., Eur.
læta, Ait., S. Eur., etc.
oculata, Ldl., Levant.
— var. elegans.
pauciflora, Ledeb., Siber.
Viscaria, L., Eur.
— var. alba.

Lysimachia acroadenia, Max., Japan.
barystachya, Bunge, Japan.
ciliata, L., N. Amer.
davurica, Willd., Davuria.
Leschenaultii, Dub., Himal.
punctata, L., Eur.

Lysimachia—*cont.*
quadrifolia, L., N. Amer.
vulgaris, L., Eur.

Madia elegans, Don., N. Amer.
sativa, Molin., Oregon, Calif.
— var. racemosa, Gray.

Malcolmia africana, R.Br., S. Eur., N. Afr.
chia, DC., Greece.
littorea, R Br., S. Eur.
maritima, R.Br., S. Eur., etc.

Malope trifida, Cav., N. Afr.
— var. alba.

Malva Alcea, L., Eur.
crispa, L., Orient.
Duriæi, Spach., N. Afr.
moschata, L, Eur.
— var. alba.
oxyloba, Boiss, Orient
parviflora, L., Eur.
sylvestris, L., Eur., etc.
— var. alba.

Malvastrum limense (L.), Chili.

Mandragora vernalis, Bert., Orient.

Marrubium astracanicum, Jacq. Caucas.
peregrinum, L., Eur.
vulgare, L., Eur.

Matricaria caucasica, Benth., Caucas.
inodora, L., Eur.
— var. discoidea (DC.).

Matthiola bicornis, DC., Eur.

Meconopsis cambrica, Vig., Eur.
nepalensis, DC., Nepal.
wallichiana, Hook., Himal.

Medicago apiculata, W., Eur.
Echinus, DC., S. Eur.
lappacea, Desr., S. Eur.
littoralis, Rhod., Eur.
lupulina, L., Eur.
marina, L., Eur.
murex, Willd., Eur.
muricata, All., Eur.
orbicularis, Wilid., S. Eur.
sativa, L., Eur.
tuberculata, W., Eur.

Melica ciliata, L., Eur., etc.
— var. penicillaris, (Boiss.)
glauca, F. Sz., var. nebrodensis, Parl., Eur.
nutans, L., Eur.

Melilotus alba, Desr., Eur.
officinalis, Desr., Eur.
parviflora, Lam., Eur.

Melittis Melissophyllum, L., Eur.

Mentzelia Lindleyi, T. et G., Calif.

Mercurialis annua, L., Eur.

Mesembryanthemum tricolor, Willd, Cape.
— var. album.

Mimulus cardinalis, Dougl., N. Amer.
cupreus, Veitch., Chili.
glabratus, H B., Mexico.
luteus, L., N Amer.
moschatus, Dougl., N. Amer.

Mirabilis Jalapa, L, W. Ind.
longiflora, L, Mexico.

Molinia cærulea, Mœnch, Eur.
— var. variegata.

Monolepis chenopodioides, Moq., N. Amer.

Morina longifolia, Wall., Nepal.

Muscari Argaei, Hort.
armeniacum, Baker, Medit.
atlanticum, Boiss., Spain, Algeria.
conicum, Baker, Campag.
grandifolium, Baker.
Heldreichii, Boiss., Greece.
moschatum, Willd., Caucas.
neglectum, Guss., S. Eur.
racemosum, Mill., Eur.
szovitsianum, Regel, Siber.

Myosotis arvensis, Hoffm., Eur.
cæspitosa, K. F. Sch., Eur.
collina, Hoffm., Eur.
sylvatica, Hoffm., Eur.

Myosurus minimus, L., Eur., etc.

Myrrhis odorata, Scop., Eur.

Nardurus tenellus, Rchb., Spain.

Nardus stricta, L., Eur.

Nemesia floribunda, Lehm., Cape.
pubescens, Benth., Cape.
versicolor, Mey., Cape.

Nemophila aurita, Lindl., Calif.
insignis, Dougl., Calif.
— var. alba, Hort.
— var. grandiflora, Hort.
parviflora, Dougl., N. Amer.

Nicandra physaloides, Gærtn., Peru.

Nicotiana affinis, T. Moore.
Langsdorffii, Weinm., Brazil.
paniculata, L., S. Amer.
rustica, L., S. Eur., etc.
Tabacum, L., S. Amer.

Nigella damascena, L., S. Eur.
sativa, L., S. Eur.

Nolana prostrata, L., Peru, Chili.

Nothoscordum fragrans, Kunth., Amer.

Œnanthe crocata, L, Eur.
globulosa, L, S. Eur.
gymnorrhiza, Brign., C. et S., Eur.
karsthia, Hacq., Carniol.
peucedanifolia, Poll., Eur.
silaifolia, Bbrst., Eur.

Œnothera amœna, Lehm., Calif.
— var. rubicunda, Hort.
biennis, L, N. Amer.
densiflora, Lindl., Calif.
dentata, Cav., N. Amer.
fruticosa, L., N. Amer.
— var. Youngii, Hort.
glauca, Michx., N. Amer.
odorata, Jacq., Patagonia.
pumila, L., N. Amer.
rosea, Ait., N. Amer.
tenella, Cav., Chili, Amer.
triloba, Nutt., N. Amer.

Ocimum basilicum, L., S. Eur.

Ononis arvensis, Mur., Eur.
Natrix, L., S. Eur.
rotundifolia, L., Eur.
spinosa, L., Eur., etc.
— var. alba.
repens, L., Eur.

Onopordon Acanthium, L., Eur.
tauricum, Willd., Eur.
sibthorpianum, Boiss., S. Eur.

Orchis foliosa, Sol., Madeira.
incarnata, L., Eur.
latifolia, L., Eur.
maculata, L., Eur.
— var. superba.

Origanum, vulgare, L., Eur.
— var. album.

Ornithogalum arcuatum, Steven, Cauc.
latifolium, L., Egypt, etc.
narbonense, L., Eur.
orthophyllum, Ten., Italy.
tenuifolium, Guss., Eur.
umbellatum, L., Eur., etc.
— var. Leichtlinii.

Orobanche minor, Sm., Eur.
ramosa, L., Eur.

Oxyria elatior, R. Br., Nepal.

Oxytropis campestris, DC., Eur.
ochroleuca, Bunge, Siber.

Pachypodium erysimoides, Web., N. Amer.

Pæonia arietina, Anders., Orient.
— var. Andersoni.
decora, Anders., Orient.
— var. Pallasii, Hort.
peregrina, Mill., Orient.

Palava flexuosa, Mast., Peru.

Panicum Crus-galli, L., S. Eur.

Papaver apulum, Ten., Eur.
Argemone, L., Eur.
dubium, L., Eur.
— var. Lecoqii (Lamotte), Eur.
gariepinum, Burch., S. Afr.
glaucum, Boiss., Orient.
lateritium, C. Koch., Armen.
nudicaule, L., Alps.
— var. album.
orientale, L., Orient.
— var. bracteatum, (Lindl.)
— var. majus.
pavoninum, C. A. Mey., Afghan.
persicum, Ldl., Persia.
pilosum, Sibth., Greece.
— var.
Rhœas, L., Eur.
— var. Hookeri, (Baker).
— var. "Shirley."
rupifragum, Boiss., Spain.
— var. atlanticum, Ball, G. Atlas.
somniferum, L., China, etc.
— var. "Danebrog."
— var. fl. pl.
— var. setigerum, (DC.)

Parietaria lusitanica, L., Eur.
officinalis, L., Eur.

Parnassia nubicola, Hook. fil., Himalaya.
palustris, L., Eur.

Pentstemon barbatus, Nutt., N. Amer.
— var. Torreyi, Gray.
cæruleus, Gray., N. Amer.
confertus, Dougl., N. Amer.
diffusus, Dougl., N. Amer.
glaber, Pursh., N. Amer.
Hartwegii, Benth., Mexico.
lævigatus, Sol., var. Digitalus, Gray., N. Amer.
ovatus, Dougl., N. Amer.
pubescens, Sol., N. Amer.

Perezia multiflora, Less., Peru, etc.

Petroselinum sativum, Hoffm., Eur.

Petunia nyctaginiflora, Juss., La Plata.

Peucedanum Ostruthium, K., Eur.
parisiense, DC., Eur.
paucifolium, Ledeb., Siber.
sativum, Benth., Eur.

Phaca oroboides, DC., Eur.

Phacelia campanularia, Gray., Calif.
divaricata, Gray., Calif.
Parryi, Torr., Calif.
tanacetifolia, Bth., Calif.
viscida, Torr., Calif.
Whitlavia, Gray., Calif.
— var. alba, Hort.

Phalaris canariensis, L., S. Eur.
paradoxa, L., S. Eur.
tuberosa, L., Eur.

Phaseolus multiflorus, Lam.
ricciardianus, Ten.
tuberosus, Lour., Cochinchina.
vulgaris, L., India.
wightianus, Grah., India.

Phleum asperum, Jacq., Eur.
Bœhmeri, Wib., Eur.
pratense, L., Eur.
— var. nodosum, (L.)

Phlomis russeliana, Lagas., Orient.
umbrosa, Turcz., Siberia.

Phlox Drummondi, Hook., Calif.
— var. cuspidata.
stellaria, Gray., N. Amer.

Physalis Alkekengii, L, Eur.

Physostegia virginiana, Benth., var. speciosa, Gray., N. Amer.

Phyteuma Halleri, All., S. Eur.
limonifolium, Sibth. et Sm., Eur.
Michelii, All., Eur.
nigrum, Schmidt, Germ.
orbiculare, L., Eur.
spicatum, L., Eur.

Phytolacca acinosa, Roxb., India.

Pieridium tingitanum, Dsf., Eur.

Pimpinella Anisum, L., Eur.

Pisum sativum, L, Eur.

Plantago arenaria, L., Eur.
Coronopus, L., Eur.
Cynops, L., Eur.
Ispaghula, Roxb., India.
lagopus, L., Eur.
lanceolata, L, Eur.
major, L., Eur.
maritima, S., Eur.

Platycodon grandiflorum, A.DC., Siber.
— var. Mariesii, Hort.

Platystemon californicus, Benth., Calif.

Pleurospermum pulchrum, Aitch. et Hemsl., Afghan.

Poa alpina, L., Eur.
— var. badensis, Hke.
compressa, L., Eur.
glauca, Sm., Eur.
pratensis, L., Eur.
sudetica, Haenke, Eur.
trivialis, L., Eur.
violacea, Bell., Eur.

Podophyllum Emodi, Wall., Himal.

Polemonium cæruleum, L., Eur., Amer., etc.
— var. album, Hort.
flavum, Greene, Amer.
himalayanum, Baker, Himal.
pauciflorum, Wats., Mexico.
reptans, L., N. Amer.

Pollinia Gryllus, Spr., Eur.

Polygonatum verticillatum, All., Eur.

Polygonum aviculare, L., Eur.
Bistorta, L., Eur.
capitatum, Don., Himalayas.
molle, Don., Himal.
viviparum, L., Eur.
Weyrichii, F. Schm., Sachal. Isl.

Polypogon monspeliensis, Dsf., Eur.

Potentilla alchemilloides, Lap., Pyrenees.
argyrophylla, Wall, Himal.
chinensis, Ser, China.
collina, Wib., Eur.
crocea, Hall f., Eur.
Detommasii, Ten., Eur.
digitata × flabellata.
glandulosa, Ldl., Calif.
heptaphylla, Mill, Eur.
kotschyana, Fenzl., Kurdistan.
kurdica, Boiss., Orient.
leschenaultiana, Ser., Ind., Or.
malacophylla, Bunge., Orient.
montenegrina, Panc., Montenegro.
nepalensis, Hook., Nepal.
nevadensis, Boiss., Spain.
pedata, Willd., France.
pennsylvanica, L., N. Amer.
— var. arachnoidea, Lehm.
pseudo-chrysantha.
pyrenaica, Ram., Pyren.
recta, L., Eur., Caucas.
— var. laciniata.
— var. macrantha, (Leab.)
— var. palmata.
rupestris, L., Eur.
schrenkiana, Regel.
semi-argentea, Hort. ×.
semi-laciniata, Hort. ×.
Sibbaldia, Haller fil., Himal.
Thurberi, Gray., N. Amer.
Visiani, Panc., Eur.
wrangeliana, Fisch., Siberia.

Poterium canadense, B. et H., N. Amer.
Sanguisorba, L., Eur.

Primula clusiana, Tsch., Eur.
denticulata, Sm., Himal.
floribunda, Wall., Himal.
involucrata, Wall., Himal.
japonica, Gray, Japan.
mollis, Nutt., Bootan.

Primula—*cont.*
obconica, Hance, China.
rosea, Royle, Himal.
verticillata, Forsk., Arabia.

Prunella grandiflora, L.,Eur.Cauc.
var. laciniata,Hort.
— var. rubra, Hort.
vulgaris, L., Eur.

Psoralea macrostachya, DC., N. Amer.
physodes, Dougl., N. Amer.

Pyrrhopappus carolinianus, DC., Florida, Texas.

Ramondia pyrenaica, Rich., Pyrenees.

Ranunculus abortivus, L.,N. Amer.
Broteri, Freyn., Spain.
acris, L., Eur.
arvensis, L., Eur.
brutius, Tenore, Italy.
cassius, Boiss., Taurus.
caucasicus, M.B., Caucas.
chærophyllus, L., Eur., etc.
Cymbalaria, Pursh, N. Amer
falcatus, L., Eur.
muricatus, L., Eur.
parviflorus, L., Eur.
repens, L., Eur.
trachycarpus, F. et M., Orient.

Raphanus sativus, L., Eur.

Rapistrum linnæanum, All., Eur.

Reseda abyssinica, Fres., Abyss.
alba, L., S. Eur.
glauca, L., Pyren.
lutea, L., Eur.
Luteola, L., Eur.

Rhagadiolus stellatus, Gærtn., S. Eur.

Rheum collinianum, Baillon.
Emodi, Wall., Himal.
macropterum, Mart.
officinale, Baill., Thibet.
palmatum, L., Ind., etc.
— var. tanghuticum.
Rhaponticum, L., Siber.
rugosum, Desf., Ind. Or.
Tranzenbachii, Hort. Berlin.
undulatum, L., Siberia, etc.
webbianum, Royle., India.

Rudbeckia amplexicaule, Vahl., N. Amer.
bicolor, Nutt., N. Amer.
columnaris, Pursh, var. pulcherrima, Don., N. Amer.
fulgida, Ait., N. Amer.
hirta, L., N. Amer.
occidentalis, Nutt., N. Amer.
purpurea, L., N. Amer.

Rumex alpinus, L., Eur.
Brownii, Campd., Austral.
nepalensis, Spr., Himal.
obtusifolius, L., Eur.
— var. sylvestris, (Wallr.)
Patientia, L., S. Eur.
pulcher, L., Eur.
purpureus, Poir., Eur.
salicifolius, Weinm., N. Amer.
vesicarius, L., N. Afr.

Ruta graveolens, L., Eur.

Sagina glabra, Willd., S. Eur.
— var. pilifera.
Linnæi, Presl., Eur.

Salvia æthiopis, L., Eur.
argentea, L., Medit.
Beckeri, Trautv., Caucas.
glutinosa, L., Eur.
Horminum, L., S. Eur.
— var. bracteis violaceis.
hians, Royle., Ind.
interrupta, Schousb., Morocco.
napifolia, Jacq., S. Eur.
nutans, L., Transyl.
pratensis, L., Eur.
— var. alba.
— var. Baumgarteni, Grsb., Transs.
— var. rosea.
Sclarea, L., S. Eur.
sylvestris, L., var. alba., Eur.
tiliæfolia, Vahl., Mexico.
Verbenaca, L., Eur.
verticillata, L., Eur.

Sanvitalia procumbens, Lam., Mexico.

Saponaria orientalis, L., Orient.

Satureja hortensis, L., Taur., Caucas.
montana, L., S. Eur.

Saxifraga altissima, Kerner, Eur.
aphylla, Sternb., Eur.
— var. leptophylla.

Saxifragra—*cont.*
Aizoon, L., Eur., Alps.
— var. Churchillii, Kern.
— var. Gaudinii.
— var. incrustata.
— var. infracta.
— var. Malyi.
— var. minor.
— var. pygmæa.
— var. recta, (Lap.)
— var. rotata.
— var. rosularis, Schleich.
cæspitosa, L., Eur., etc.
— var. decipiens, (Ehrh.)
— var. hirta, (Don.)
— var. sedoides, (L.)
cartilaginea, Willd., Caucas.
Cotyledon, L., Eur., Alps.
— var. pyramidalis, (Lap.)
crustata, Vent., Alps.
granulata, L., Eur.
Hostii, Tausch, Alps.
— var. macnabiana, Hort.
— var. tristis.
kolenatiana, Regel, Siberia.
lactea, Turcz., Temp. Asia.
lingulata, Bell., Marit. Alps.
— var. lantoscana, (Boiss.)
longifolia, Lap., Pyrenees.
muscoides, Wulf., Eur.
— var. pygmæa, (Haw.)
Prostii, Sternb., Eur.
rocheliana, Sternb., Bosnia.
— var. coriophylla, (Griseb.)
rotundifolia, L., Eur.
— var. hirsuta.
sponhemica, Gm., var. hirta, Don., Eur.
tenella, Wulf., Alps.
trifurcata, Schrad., N. Spain.
umbrosa, L., Eur.
valdensis, DC., Savoy, Alps.

Scabiosa arvensis, L., Eur.
atropurpurea, L., Eur.
caucasica, Bbrst., Cauc.
— var. amœna, (Jacq.)
Columbaria, L., Eur.
graminifolia, L., Eur.
gramuntia, L., Eur.
integrifolia, Wulf., Eur.
lucida, Vill., Eur.
micrantha, Dsf., Maced.
palæstina, L., Syria, etc.
Portæ, Huter., Eur.
stellata, L., Eur.
vestina, Facch., Tyrol.

Scandix Balansæ, Reut., Orient.
brachycarpa, Guss., Sicily.
macrorryncha, C. A. Mey., Eur.
Pecten-Veneris, L., Eur.

Schismus marginatus, Beauv., S. Eur.

Schizanthus pinnatus, R. et P., Chili.

Schizopetalum Walkeri, Sims, Chili.

Scilla campanulata, Ait., Spain, etc.
— var. alba, Hort.
— var. rubra.
chinensis, Benth., China.
lingulata, Poir., Eur.
nonscripta, Hoffm., Eur.
verna, Huds., W. Eur.

Scirpus setaceus, L., Eur.

Scleranthus annuus, L., Eur.
perennis, L., Eur.

Scorpiurus vermiculata, L., Eur.

Scrophularia aquatica, L., Eur.
Ehrhartii, Stev., Caucas.
nodosa, L., Eur.
vernalis, L., Eur.

Scopolia lurida, Dub., Himal.

Scutellaria alpina, L., Eur.
altissima, L., Caucas.
galericulata, L., Eur.
macrantha, Fisch., Siberia.

Secale Cereale, L., Asia Minor.
— var. villosum.

Sedum Aizoon, L., Siberia.
Ewersii, Ledeb., Siber.
glaucum, W. et K., Eur.
magellense, Ten., Italy.
middendorfianum, Max., Siberia.
Rhodiola, DC., Siber.
stellatum, L., Eur.
villosum, L., Eur.

Selinum Candollei, DC., Nepal.

Sempervivum boutigny anum, Bill, Pyrenees.
mettenianum, Lehm., Switz.
montanum, L., Alps.

Senecio artemisiæfolius, Pers., S Eur.
Clusii, Schultz., Eur.
Doria, L., Eur.
Doronicum, L., Eur.
elegans, L., Cape.

Senecio—*cont.*
— var. alba.
— var. purpurea.
japonicus, Sch., Japan.
macrophyllus, Bbrst., Caucas.
thyrsoideus, DC., Siberia.
viscosus, L., Eur.

Serratula coronata, L., Siberia.
— var. macrophylla.
Gmelinii, Ledeb., Caucas.
quinquefolia, Bbrst., Caucas.
tinctoria, L., Eur.

Seseli gummiferum, Sm., Greece.

Setaria glauca, Beauv., Eur.
italica, Beauv., Eur.
macrochæta, Link, Eur., Asia, etc.
verticillata, P.B., Eur.
viridis, Beauv.

Sherardia arvensis, L., Eur.

Sicyos Baderoa, Hk. et Arn., Chili.

Sidalcea malvæflora, Gr., Amer.

Sideritis scordioides, L., Eur.

Silene alpestris, Jacq., Alps.
Armeria, L., Eur.
— var. compacta, (Hornem.)
chloræfolia, Sm, var. swertifolia, Armenia.
Chouleti, Coss., Eur.
ciliata, Pourr., Crete.
clandestina, Jacq., Cape.
colorata, Poir., Mediter.
conoidea, L., Levant, etc.
cretica, L., Eur.
Cucubalus, Wibel., Eur.
diurniflora, Kunze, Cape.
echinata, Otth., Italy.
fimbriata, Sims., Crete, etc.
Fortunei, Vis., China.
fusca, Link, Portugal.
gallica, L., Eur.
glauca, Pourr., Eur.
gracilis, DC.
italica, Pers., Eur.
juvenalis, Del., Egypt.
linicola, Gmel., Germany.
longicilia, Otth., Portugal.
maritima, With., Eur.
nutans, L., Eur.
obtusifolia, Willd., Italy.

Silene—*cont.*
paradoxa, L., S. Eur.
pendula, L., Sicily, etc.
Persoonii, Tod. non Schott.
pseudo-atocion, Desf., N. Afr.
quadrifida, L., Eur.
rubella, L., Eur., N. Afr.
Sartori, Boiss., Greece.
Saxifraga, L., Eur.
sedoides, Jacq., Europe.
tatarica, Pers., Tatar.
tenuifolia, Otth., Dahur.
vallesia, L. Eur.
vesiculifera, Gay, S. Eur.
vespertina, Retz., S. Eur.
Zawadskii, Herbich, Austria.

Silphium perfoliatum, L., N. Amer.
scaberrimum, Ell., N. Amer.
trifoliatuin, L., N. Amer.

Silybum eburneum, Coss. et Dur., Eur.
marianum, Gærtner, Eur.

Sisymbrium Alliaria, Scop., Eur.
assoanum, Lose., Eur.
austriacum, Jacq., S. Eur.
myriophyllum, H. B. K., Quito.
officinale, Scop., S. Eur.
polyceratium, L., Eur.
Sophia, L., Eur.
strictissimum, L., Eur.

Sisyrinchium bermudianum, L., Bermuda.

Sium angustifolium, L., Eur.

Smyrnium Olusatrum, L., Eur.

Solanum Dulcamara, L., Eur.
guineense, Lam., Trop. Afr., etc.
villosum, Lam., Eur.

Solidago canadensis, L., N. Amer.

Sonchus asper, Hoffm., Eur.
oleraceus, L., Eur.
palustris, L., Eur.

Specularia falcata, A.DC., Mediter.
— var. castellana, Lange.
pentagonia, A.DC., Orient.
perfoliata, DC., N. Amer.
Speculum, A.DC., Eur.

Spergula arvensis, L., Eur.

Spiræa astilboides, Hort.
Aruncus, L., N. Amer.
palmata, Thunb., Japan.
Ulmaria, L., Eur.

Stachys alpina, L., Eur.
— var. intermedia.
Betonica, Benth., Eur.
— var. alba.
grandiflora, Bth., Caucas., etc.
spinulosa, Sib. et Sm., Greece.
setifera, Mey., Caucas.
sylvatica, L., Eur.

Statice bellidifolia, Gouan., Eur.
densiflora, Guss., Eur.
Gmelinii, Willd., Eur.
gougetiana, Girard, Spain.
Limonium, L., Eur.
lychnidifolia, Gir., S. Eur.
Suworowii, Regel, Turkestan.
Thouini, Viv., S. Eur.
tomentella, Boiss., Eur., etc.

Stipa pennata, L., Eur., etc.

Swertia perennis, L., Eur. Cauc.

Symphyandra Wanneri, Heuff., Eur.

Symphytum officinale, L., Eur.

Syrenia lamarckiana, Andrz., Russia, Siberia.

Tagetes lucida, Cav., Mexico.
patula, L., Mexico.
pusilla, H.B., Quito.

Tamus communis, L., Eur.

Taraxacum corniculatum, DC., Eur.
gymnanthum, DC., Eur.

Tellima grandiflora, R.Br., N. Amer.

Tetragonia crystallina, L'Herit., Peru.
expansa, Murr., Austral.

Tetragonolobus purpureus, Mœnch, S. Eur.

Teucrium Chamædrys, L., Eur.
— var. aurea.
hyrcanicum, L., Caucas.
multiflorum, L., Orient.
Scorodonia, L., Eur.
—var. variegatum.

Thalictrum angustifolium, Jacq., S. Eur.
— var. (T. nigricans, DC.), Eur.
aquilegifolium, L., Eur., etc.
— var. purpureum.
flavum, L., Eur.
— var. sphærocarpum, Lej.
glaucum, Desf., S. Eur.
javanicum, Blume, Java.
minus, L., Eur.
— var. affine, (Jord.)
— var. elatum, Regel.
trigynum, Fisch., Dahur.

Thelesperma folifolium, Gray, N. Amer.

Thermopsis lanceolata, R.Br., Siberia.
montana, Nutt., N. Amer.

Thlaspi alliaceum, L., Eur.
arvense, L., Eur.
alpestre, L., Eur.
præcox, Wulf., Austria.

Thrincia hirta, DC., Eur.

Thymus comosus, Heuff., Transs.
Serpyllum, L., Eur.

Tofieldia calyculata, Whlnb., Eur.

Tovaria racemosa, Neck., N. Amer.
stellata, Neck., N. Amer.

Tournefortia heliotropioides, Hook., Buen. Ayres.

Trachymene cœrulea, Graham, Austral.
pilosa, Sm., Austral.

Tradescantia erecta, Jacq., Mexico.

Tragopogon majus, Jacq., Eur.
orientale, L., Eur., etc.

Trifolium agrarium, L., Eur.
badium, Schreb., Eur.
diffusum, Ehrh., Eur.
gemellum, Pourr., Eur.
incarnatum, L., Eur.
Lagrangei, Boiss., Orient.
leucanthum, Bbrst., Taurus.
minus, Sm., Eur.
multistriatum, Koch, Eur.
pannonicum, L., Eur., etc.
Perreymondi, Gren., France.
pratense, L., Eur.
repens, L., Eur.
resupinatum, L., Eur.

Trifolium—*cont.*
rubens, L., Eur.
squarrosa L., S. Eur.
tomentosum, L., Eur.

Triglochin maritimum, L., Eur.

Trigonella corniculata, L., S. Eur.
cretica, Boiss., Crete.
fœnum-græcum, L., S. Eur.
ovalis, Boiss, Spain.
polycerata, L., Eur.

Trinia Hoffmanni, Bbrst., Eur.,etc.
Kitaibelhi, Bbrst., Russia, etc.

Tripteris cheiranthifolia, Schultz., Abyss.

Triticum caninum, L., Eur.
chinense, Trin., N. China.
desertorum, Fisch., Russia.
durum, Desf., S. Eur., N. Afr.
monococcum, L., Eur.
ovatum, G. et G., Eur.
violaceum, Horn., Eur.

Tritonia crocosmaeflora, Garden Hybrid.
Pottsii, Bentl., Cape.

Trollius asiaticus, L., Siber.
europæus, L., Eur.

Tropæolum aduncum, Sm., Peru.
majus, L., Peru.
minus, L., Peru.
tuberosum, R. et P., Peru.

Troximon glaucum, Nutt., N. Amer.
var. laciniatum, Gray.

Tunica illyrica, Boiss., Eur.

Urospermum Dalechampii, Desf., Eur.
picroides, Desf., S. Eur.

Ursinia pulchra, N. E. Brown, Cape.
— var. sulphurea, Hort., Kew.

Urtica dioica, L., Eur.
membranacea, Poir., Eur.
pilulifera, L., Eur.
— var. balearica, L.

Valeriana alliariæfolia, Vahl, Caucas.
— var. intermedia.
montana, L., Eur.

Valeriana—*cont.*
officinalis, L., Eur.
var. exaltata, (Mikan.)
— var. sambucifolia, (Mikan.)
Phu, L., S. Eur.

Valerianella Auricula, DC., Eur.
carinata, Loisl., S. Eur.
eriocarpa, Desv., Eur.

Venidium fugax, Harv., Cape.

Veratrum album, L., Eur.
nigrum, L., Eur.
viride, Ait., N. Amer.

Verbascum Blattaria, L., Eur.
phœniceum, L., Eur. Siber.
pyramidatum, Bbrst., Caucas.
speciosum, Schrad., Eur.
thapsiforme, Schrad., Eur.

Verbena Aubletia, L., N. Amer.
bonariensis, L., S. Amer.
caroliniana, Med., N. Amer.
officinalis, L., Eur.
venosa, Gill. et Hook., Buenos Ayres.

Vernonia altissima, Nutt., N. Amer.

Veronica agrestis, L., Eur.
aphylla, L., Eur.
austriaca, L., Eur.
— var. pinnatifida.
exaltata, Maud., Siber.
gentianoides, Vahl., Taur.
incana, L., Russia.
incisa, Ait., Siber.
longifolia, L., Eur.
— var. alba.
— var. mollis.
— var. rosea.
— var. subsessilis.
Lyallii, Hk. f., N. Zeal.
officinalis, L., Eur.
repens, Clar., Corsica.
saxatilis, L., Eur.
serpyllifolia, L., Eur.
spicata, L., Eur.
taurica, Willd., Taur.
Teucrium, L., Eur.
— var. latifolia, (L.)
virginica, L., N. Amer.
— var. japonica, (Steud.)

Vesicaria corymbosa, Hort.
cretica, Poir., Crete.
edentula, Poir., Eur.
grandiflora, Hook., Texas.

Vicia amphicarpa, Dorth., France.
calcarata, Desf., Algiers.
cassubica, L., S. Eur.
Cracca, L., Eur.
disperma, DC., France.
Ervilia, Willd., S. Eur.
Faba, L., cultivated.
— var. equina, (Pers.)
fulgens, Hort.
macrocarpa, Bert., Eur.
narbonensis, L., S. Eur.
pannonica, Cr., Eur.
pyrenaica, Pourr., Pyren.
sativa, L., Eur., etc.
— var. morisiana, (Jord.)
sepium, L., Eur.
sicula, Guss., Eur.
sylvatica, L., Eur.
unijuga, A. Braun., Siberia.
villosa, Roth., S. Eur.

Vincetoxicum fuscatum, Reh. f., Eur.
nigrum, Michx, Eur.

Viola cornuta, L., Eur.
— var. alba.
elatior, Fr., Eur.
Jooi, Janka, Transylv.

Viola—*cont.*
lactea, Sm., Eur.
odorata, L., Eur.
palustris, L., Eur.
reichenbachina, Bor. Eur.
striata, Ait., N. Amer.
sylvatica, L., Eur.
tricolor, L., Eur.

Wahlenbergia graminifolia, A.DC., Dalm.

Xanthium indicum, Wall., Ind., etc.
strumarium, L., Eur.

Xanthocephalum gymnospermoides, B. et Hk. f., Arizona.

Zinnia elegans, Jacq., Mexico.
multiflora, L., Mexico.
pauciflora, L., N. Amer.

Ziziphora capitata, L., Taur., etc.

Zollikoferia elquinensis, Phil., Chili.

Zygadenus elegans, Pursh., N. Amer.

TREES AND SHRUBS.

Acer campestre, L.
— var. hebecarpum, Hort.
circinatum, Pursh., N.W. Amer.
Pseudo-Platanus, L., Eur., etc.
— var. euchlorum.
— var. purpureum, Hort.

Ailantus glandulosus, Desf., Japan.

Alnus cordifolia, Ten., Italy.
firma, S. et Z., Japan.
glutinosa, Gærtn.
— var. rubronervia, Hort.
— var. sorbifolia, Hort.

Alnus—*cont.*
incana, Will., N. Hemisphere.
— var. laciniata, Hort.
japonica, S. et Z., Japan.
serrulata, Willd., N. Am.
— var. latifolia, Hort.

Amelanchier Botryapium, DC.
vulgaris, Mœnch, Europe.
— var. cretica.

Amorpha fruticosa, L., N. Amer.

Aralia edulis, S. et Z., Japan.
spinosa, L., N. America.

Aucuba japonica, Thunb.
vera, Hort.

Azalea rhombica, Regel, Japan.

Berberis buxifolia, Lamk., Chili.
stenophylla, Hort.
virescens, Hook. f., Himalaya.
vulgaris, L., Eur., etc.
— var. purpurea, Hort.
wallichiana, DC., Himal.

Betula alba, L., N. Hemisph.
— var. Youngii, Hort.
Ermanni, Cham., N. Asia.
lutea, Michx. f., N. Amer.
populifolia, Ait., U. S. Amer.

Buddleia japonica, Hemsl., Japan.

Biota orientalis, End., Orient.
— var. gracilis, Hort.
— var. intermedia, Hort.
— var. pyramidalis, Hort.

Caragana arborescens, Lamb., Siberia.
frutescens, DC., Siberia.
pygmæa, DC., Siberia.
Redowskii, DC., Siberia.

Carpinus Betulus, L., Eur., etc.

Cedrus Deodara, Loud., Himalaya.

Celastrus scandens, L., N. Amer.

Celtis occidentalis, L., N. Amer.

Cephalostachyum capitatum, Munro, Sikkim.

Cerasus lusitanica, Lobel, Portugal.

Chamæcyparis (Cupressus).
Lawsoniana, Parl., Calif.
obtusa, S. et Z., Japan.
(Retinospora obtusa.)

Cistus laurifolius, L., Spain.

Cladrastis amurensis, Benth. et Hook., Amur.

Clematis erecta, L., Europe, etc.
Flammula, L., S. Eur.
integrifolia, L., S. Eur.

Colutea arborescens, L., Eur.
— var. cruenta, (Ait.)
— var. haleppica, (Lamk.)

Cornus alba, L., N. Amer.
alternifolia, L. f., N. Amer.
circinata, Herit., N. Amer.
paniculata, L'Herit., N. Amer.
sanguinea, L., Eur.
sericea, L., N. Amer.
sibirica, Lodd., Siberia, etc.

Cotoneaster acuminata, Lindl., Himal.
bacillaris, Wall., Himal.
— var. floribunda, Hort.
— var. obtusa, Hort.
buxifolia, Wall., Himal.
Fontanesi, Spach.
frigida, Wall., Himal.
horizontalis, Dene.
laxiflora, Lind., India.
microphylla, Wall., Himal.
reflexa Carr., China.
rotundifolia, Wall., Himal.
Simonsii, Baker., Himal.
tomentosa, Lindl., Eur.

Cratægus Carrierei, Vauvel. (C. Lavallei, Herincq.)
coccinea, L., N. Amer.
— var. acerifolia, Hort.
— var. glandulosa, Hort.
— var. indentata, Hort.
— var. Kelmanni, Hort.
cordata, Mill., N. Amer.
Crus-Galli, L., N. Amer.
— var. pruinosa.
Downingii, Hort.
flava, Ait., N. Amer.
orientalis, Pall., Orient.
Oxyacantha, L., Eur.
— var. fusca, Hort.
— var. Gumperi bicolor, Hort.
parvifolia, Ait., N. Amer.
punctata, Jacq., N. Amer.
— var. brevispina, Hort.
— var. striata, Hort.
Pyracantha, Pers., var. Landii, Hort.
tanacetifolia, Pers., Orient.
tomentosa, L., N. Amer.

Cupressus nootkatensis Lamb., N.W. Amer.
Thyoides, L., N. Amer.

Cytisus albus, L., S.W. Eur.
— var. incarnatus, Hort.
biflorus, L., Herit., Eur.
calycinus, Bieb., Caucasus.
capitatus, Jacq., S. Eur.
hirsutus, L., E. Eur.
leucanthus, W. et K., E. Eur.
× præcox, Hort.
monspessulanus, S. Eur.
nigricans, L., Eur.
purpureus, Scop., E. Eur.
scoparius, L., Eur.

Cytisus—*cont.*
— var. Andreanus.
— var. pendula, Hort.
sessilifolius, L., Eur.

Dabœcia polifolia, D. Don., W. Eur.
— var. alba.
— var. versicolor.

Deutzia crenata, S. et Z., Japan.
— var. Sieboldii, Hort.
scabra, Thunb., Japan.

Elæagnus longipes, A. Gray., Japan.
umbellata, Thunb., Japan.

Erica cinerea, L., Eur.
— var. alba.
— var. grandiflora.
— var. pallida.
— var purpurea.
— var. rosea.
stricta, Andr., S. Eur.

Euonymus europæus, L., Eur.
— var. coccineus, Hort.
latifolius, Scop., Eur.

Forsythia suspensa, Vahl., Japan.

Fraxinus Ornus, L., Eur.
— var. latifolia, Hort.
— var. rotundifolia, Hort.

Garrya elliptica, Dougl., California.

Gaultheria Shallon, Pursh, N. Amer.
procumbens, L., N. Amer.

Genista ætnensis, DC., Sicily.
radiata, Scop., S. Eur.
sagittalis, L., Eur.
virgata, DC., Madeira.

Hamamelis virginica, L., N. Amer.

Hedera Helix, L., Eur., etc.

Hippophae rhamnoides, L., Eur., etc.

Hypericum Androsæmum, L., Eur.
densiflorum, Pursh, N. Amer.
elatum, Ait., N. Amer.
galioides, Lamk., N. Amer.

Ilex Aquifolium, L., Eur.
— var. platyphylla, Hort.
verticillata, Gray, N. Amer.

Kalmia glauca, Ait., N. Amer.
latifolia, L, N. Amer.

Laburnum alpinum, Griseb., Eur.
Alschingeri, Vis., E. Eur.
vulgare, Griseb., Eur.
— var. Carlieri, Hort.
— var. involutum, Hort.
— var. Parkesi, Hort.
— var. quercifolium.
— var. sessilifolium.

Ledum latifolium, Ait., N. Amer.

Leucothoe Catesbæi, Gray; N. Amer.
racemosa, Gray, N. Amer.

Leycesteria formosa, Wall., Himal.

Ligustrum medium, Fr., Japan.

Lonicera Morrowii, Gray, Japan.
occidentaliis, Steud., N. Amer.
orientalis, Lam., Asia Minor.
Sullivantii, N. Amer.
Xylosteum, L., Eur.

Lyonia ligustrina, DC., N. Amer.

Magnolia tripetala, L., N. Amer.

Mahonia Aquifolium, Nutt., N. Amer.
— var. murrayana, Hort.
fascicularis, DC., N. Amer.

Menispermum canadense, L., N. Amer.

Mespilus Smithii, DC., Caucasus.

Morus nigra, L., Eur.

Myrica cerifera, L., United States.

Neillia amurensis (Spiræa, Maxim.), Amurland.
opulifolia, Benth. et Hook., N. Amer.

Olearia Haastii, Hook. fil., N. Zeal.

Ostyra japonica, Japan.

Paulownia imperialis, S. et Z., Japan.

Pernettya mucronata, Gaud., Chili, etc.

Photinia villosa, Dene., Japan.

Pinus Peuce, Griseb., Macedonia.

Piptanthus nepalensis, Sweet, Himalaya.

Prunus pumila, L., N. Amer.

Ptelea trifoliata, L., N. Amer.
— var. aurea, Hort.
— var. mollis.

Pyrus americana, DC., N. Amer.
Aria, Ehrh., Europe, etc.
— var. angustifolia.
— var. græca, Boiss.
— var. salicifolia.
arbutifolia, L., N. Amer.
— var. grandiflora, Hort.
— var. serotina, Lindl.
Aucuparia, Gærtn., Eur.
— var. saturejifolia.
baccata, L., Asia.
domestica, Sm., var. maliformis.
floribunda, Sieb., Japan.
intermedia, Ehrh., Europe.
japonica, Thunb., Japan.
latifolia, Syme, Eur.
Maulei, Masters, Japan.
— var. superba, Hort.
nivalis, Jacq., Asia Minor.
pinnatifida, Ehrh., Eur.
Ringo, Max., Japan, etc.
spectabilis, Desf., China, etc.

Rhododendron arboreum, Sm., Sikkim.
campanulatum, Don, Sikkim.
ciliatum, Hook. f., Sikkim.
Wightii, Hook. f., Sikkim.

Rhodotypus kerrioides, S. et Z., Japan.

Rhus glabra, L., N. Amer.
radicans, L., N. Amer.

Ribes alpinum, L., Eur.
aureum, Pursh., N.W. Amer.
sanguineum, Pursh., N.W. Amer.
— var. atrosanguineum, Hort.
— var. glutinosum, Benth.

Rosa acicularis, Lindl., Japan, etc.
agrestis, Savi, Eur.
alpina, L., Eur., var. inermis.
Bakeri, Déségl., England.
blanda, Ait., N. Amer.
californica, Ch et Sch., Calif.
canina, L., Eur., etc.
— var. andegavensis, Baker.
carolina, L., N. Amer.
cinnamomea, L., Eur., etc.
hibernica, Sm., Britain.

Rosa—*cont.*
lucida, Ehrh., N. Amer.
microphylla, Roxb., China.
moschata, Mill., India, etc.
multiflora, Thunb., Japan.
nitida, Willd., N. Amer.
nutkana, Presl, N. Amer.
omissa, Déségl., Eur.
pisocarpa, A. Gray, N. Amer.
rubiginosa, L., Europe, etc.
— var. major, Hort.
rubrifolia, Vill., Eur.
rugosa, S. et Z., Japan.
— var. alba.
sericea, Lindl., Himal.
spinosissima, L., Eur.
— var. cistiflora, Hort.
— var. picta, Hort.
— var. rubra, Hort.
Wilsoni, Bor., Britain.

Rubus echinatus, Lindl., Britain.
laciniatus, Willd., Hort.
leucostachys, Sm., Eur.
lindleyanus, Lees, Britain.
mucronatus, Borr., Britain.
occidentalis, L. et N., Amer.
rhamnifolius, W. et N., Eur.
ulmifolia, Schott (R. discolor, W. et N.), Eur.

Sambucus nigra, L., Eur., etc.
— var. leucocarpa.
— var. swindonensis, Hort.
— var. virescens, Hort.

Skimmia Fortunei, Mast. (S. japonica, Hort.)

Smilax excelsa, L., Orient.
rotundifolia, L., N. Amer.

Spartium junceum, L., S. Eur.

Spiræa brumalis, Lange.
carpinifolia, Pall., Eur.
Douglasii, Hook., N.W. Amer.
japonica, L. fil., Japan.
— var. glabra, Hort.
— var. typica.
lindleyana, Wall., Himal.
luxurians, Lavallée (S. pruinosa, Hort.
paniculata, L.
salicifolia, L., N. Amer.
sanssouciana, Hort.
splendens, Hort.

Symphoricarpus racemosus, Michx. N. Amer.

Syringa pekinensis, Rupr., China.
vulgaris, L., Orient.

Taxus baccata, L., Eur., etc.
— var. Dovastonii, Hort.
— var. fructu-luteo, Hort.
— var. Washingtoni, Hort.

Ulex europæus, L., Eur.

Vaccinium maderense, Link., Azores.
stamineum, L., N. Amer.

Viburnum cassinoides, N. Amer.
dilatatum, Thunb., Japan.
Lantana, L., Eur.
— var. burejæticum.
Opulus, L., Eur., etc.

Vitis heterophylla, Thunb., Japan.
— var. humulœfolia.
Labrusca, L., N. Amer.

Zenobia speciosa, D. Don., U. S. Amer.
— var. pulverulenta.

ROYAL GARDENS, KEW.

BOTANICAL SECRETARIAT LIBRARY

BULLETIN

OF

MISCELLANEOUS INFORMATION.

APPENDIX II.—1894.

NEW GARDEN PLANTS OF THE YEAR 1893.

The number of garden plants annually described in botanical and horticultural publications, both English and foreign, is now so considerable that it has been thought desirable to publish a complete list of them in the *Kew Bulletin* each year. The following list comprises all the new introductions recorded during 1893. These lists are indispensable to the maintenance of a correct nomenclature, especially in the smaller botanical establishments in correspondence with Kew, which are, as a rule, only scantily provided with horticultural periodicals. Such a list will also afford information respecting new plants under cultivation at this establishment, many of which will be distributed from it in the regular course of exchange with other botanic gardens.

The present list includes not only plants brought into cultivation for the first time during 1893, but the most noteworthy of those which have been re-introduced after being lost from cultivation. Other plants included in the list have been in gardens for several years, but either were not described or their names had not been authenticated until recently.

In addition to species and botanical varieties, all hybrids, whether introduced or of garden origin, but described for the first time in 1893, are included. It has not been thought desirable, however, to give authorities after the names of garden hybrids in such genera as Cypripedium, &c. Mere garden varieties of such plants as Coleus, Codiæum or Narcissus are omitted for obvious reasons.

In every case the plant is cited under its published name, although some of the names are doubtfully correct. Where, however, a correction has appeared desirable this is made.

The name of the person in whose collection the plant was first noticed or described is given where known.

An asterisk is prefixed to all those plants of which examples are in cultivation at Kew.

The publications from which this list is compiled, with the abbreviation used to indicate them, are as follows:—*B. M.*— Botanical Magazine. *B. T. O.*—Bulletino della R. Società Toscana di Orticultura. *Bull Cat.* — Bull, Catalogue of New, Beautiful, and Rare Plants. *Gard.*—The Garden. *G. C.* — Gardeners' Chronicle. *G. and F.*—

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Garden and Forest. *Gfl.*—Gartenflora. *G. M.*—Gardeners' Magazine. *Ill. H.*—L'Illustration Horticole. *Jard.*—Le Jardin. *J. of H.*—Journal of Horticulture. *J. O.*—Journal des Orchidées. *K. B.*—Bulletin of Miscellaneous Information, Royal Gardens, Kew. *L.*—Lindenia. *M. G. Z.*—Möller's Deutsche Gärtner-Zeitung. *O.*—L'Orchidophile. *O. R.*—Orchid Review. *R. H.*—Revue Horticole. *R. H. B.*—Revue de l'Horticulture Belge. *Veitch Cat.*—Veitch & Sons, Catalogue of Plants. *W. G.*—Wiener Illustrirte Garten-Zeitung. *Williams Cat.*—Williams, New and General Plant Catalogue. *W. O. A.*—Warner & Williams, Orchid Album.

The abbreviations in the descriptions of the plants are:—*Ft.*—Foot or Feet. *G.*—Greenhouse.—*H.* Hardy. *H. H.*—Half-hardy. *In.*—Inches. *Per.*—Perennial. *S.*—Stove.

***Acidanthera æquinoctialis,** Baker. (*G. C.* 1893, v. xiv., p. 682; *G. and F.* v. vi., pp. 133, 515.) Irideæ. G. A remarkable species with stems 4 ft. high, and ensiform leaves 20 in. long by 1½ in. wide. Flowers on a loose spike, each with a tube 6 in. long and a limb 3 in. across, white with a crimson eye. This plant was known to Dean Herbert, but it has only lately been introduced from the mountains of Sierra Leone, where only it is a native. (Kew.)

Adiantum nebulosum, Hort. (*G. C.* 1893, v. xiii., p. 415.) Filices. S. A seedling form of *A. gracillimum.* (Pynaert, Ghent.)

Aërides platychilum, Rolfe. (*K. B.* 1893, p. 64.) Orchideæ. S. A new species allied to *A. houlletianum.* Leaves 6 in. long, over an inch wide; scape 5 in. long; flowers an inch across, lip flat, spur reflexed, sepals and petals light buff, lip yellow and purple. Habitat not recorded. (Glasnevin.)

***Aganisia lepida,** Lind. & Rchb., f. (*L.* t. 400.) Orchideæ. S. A well marked species first introduced in 1865, when it was described and figured by Reichenbach in his *Xenia Orchidacea.* It has erect grassy leaves and tall many-flowered spikes of pure white handsome flowers, each 1½ in. across. Brazil. (L'Horticulture Internationale.)

***Agave angustissima,** Engelm. (*G. and F.* 1893, v. vi., p. 5, fig. 1.) Amaryllideæ. G. A species belonging to the subgenus Littæa and allied to *A. filifera.* Leaves 12 in. to 20 in. long, ⅓ in. broad, flat on both sides, margins filiferous, apex pungent; peduncle 12 ft. high, flowers in pairs, each 1½ in. long, very narrow, yellow, stamens purple. Mexico. (Washington, Dept. of Agric.)

Agave Terraccianoi, Pax. (*Gfl.* 1893, p. 66, fig. 14.) G. Acaulescent, rosette of numerous narrow lanceolate leaves, about 1 ft. long and 2 in. broad, deep green specked with blood red, without a continuous horny border. Inflorescence about 5 ft. high, flowers sessile, greenish-yellow in pairs or singly in the axils of bracts. Native country uncertain, probably Mexico or Texas. (Berlin.)

***Aglaonema rotunda,** N. E. Br. (*G. C.* 1893, v. xiv., p. 86. *J. of H.*, v. xxvii., p. 379, fig. 56.) Aroideæ. S. A new species, with short stems, roundish ovate leaves, 5 in. long, dark green, tinged with pink above, purple beneath. Spathe 2½ in. long, hooded, green. Malaya? (J. Veitch & Sons.)

Aglaonema versicolor, Hort. (*G. C.* 1893, v. xiii., p. 414.) Aroideæ. S. An ornamental leaved plant, the ovate blades being coloured two shades of green and white in patches. E. Indies. (W. Bull.) Until this plant flowers its genus is uncertain.

***Allium cabulicum,** Baker. (*B. M.* t. 7294; *G. C.* 1893, v. xiii., p. 546.) Liliaceæ. H. Flowers in a dense, globose, many-flowered umbel; segments lanceolate, acute, whitish, with a keel of red-brown. A native of Kabul. (Kew.)

***Allomorphia Griffithii,** Hook, f. (*B. M.* t. 7324.) Melastomaceæ. S. A dwarf plant with large orbicular cordate leathery leaves, reddish beneath, bronze-green above, and axillary erect red scapes 8 in. long, bearing numerous small white flowers. Malayan Peninsula. (Kew.)

Alocasia coriacea, Lind. (*G. C.* 1893, v. xiii., p. 475.) Aroideæ. S. "Leaves dark green, with clear green ribs, the petioles rose-coloured when young, then rosy-white, marbled with green." Habitat not recorded. (L'Horticulture Internationale.)

*Alocasia watsoniana, Hort. (*G. C.* 1893, v. xiii., pp. 442, 569, fig. 83.) Aroideæ. S. A near ally of *A. Putzeysii*. It has large cordately lobed leaf-blades, with wavy margins, and coloured olive green and dark purple on the upper surface, dark purple beneath. Sumatra. (F. Sander & Co.)

*Aloe imbricata, Hort. (*W. G.* 1893, p. 194.) Liliaceæ. G. A garden hybrid, parentage not stated. (Deleuil, Marseilles.)

*Aloe simoniana, Hort. (*W. G.* 1893, p. 194.) G. A garden hybrid between *Gasteria disticha* and *Aloe longiaristata*. (Deleuil, Marseilles.)

*Alsophila atrovirens, Presl. (*G. and F.* 1893, v. vi., p. 194.) Filices. S. An elegant little tree fern with a stem 2 in. in diameter, and a spreading head of broad tripinnate fronds, the pinnæ large dark green, crisp and wavy. Brazil. (Kew, and F. Sander & Co.)

*Amorphophallus oncophyllus, Prain. (*B. M.* t. 7327.) Aroideæ. S. A new species with a tuberous root-stock 10 in. in diameter, and leaf stalk 3 ft. high by 1 in. in diameter, green with pale green blotches; blade 3½ ft. across, divided into numerous lanceolate pinnæ. Peduncle half as long as the leaves, spathe nearly a foot long, bell-shaped at the base, and coloured inside deep brown purple with yellow blotches; spadix erect, smooth cream yellow. Odour very disagreeable. Andaman Islands. (Kew.)

Androsace sempervivoides, Jacq. (*Gard.* 1893, v. 44, p. 466.) Primulaceæ. H. A remarkable species, coming near *A. sarmentosa*, but having the leaves curled up to resemble a cone. Fl. bright purple. May, June. Western Thibet. (Correvon, Geneva.)

*Angræcum bistortum, Rolfe. (*K. B.* 1893, p. 65.) Orchideæ. S. A new species allied to *A. arcuatum*, but with much smaller flowers, which are peculiar in having a loop-curved spur. W. Trop. Africa. (Kew.)

Ansellia nilotica, N.E. Br. var. rossiana, Rolfe. (*O. R.* vi., p. 195.) Orchideæ. S. A variety with paler-coloured flowers than the type. (H. J. Ross, Florence.)

*Anthurium andréanum, Lind., var. amœnum, Hort. (*G. C.* 1893, v. xiii., p. 415.) Aroideæ. S. A seedling variety with a rose-carmine spathe and a white spadix tipped with yellow. (Pynaert, Ghent.)

*Anthurium andréanum, Lind., var. atrosanguineum, Hort. (*G. C.* 1893, v. xiii., p. 415.) S. A seedling variety, with dark crimson spathes. (Pynaert, Ghent.)

Anthurium crystallinum, Lind. & André, var. variegatum, Hort. (*G. C.* 1893, v. xiii., p. 641.) S. A variety with large blotches of creamy white on the leaves. (Pitcher & Manda.)

Anthurium gandavense, Hort. (*G. C.* 1893, v. xiii., p. 415.) S. A garden hybrid between *A. andréanum* and *A. Chantrieri*. (Pynaert, Ghent.)

Anthurium Goldringi, Hort. (*G. and F.* 1893, v. vi., p. 269.) A garden hybrid between *A. andréanum* and *A. scherzerianum*. (Greaves, New Jersey.)

Anthurium Hollandi, Hort. (*G. and F.* 1893, v. vi., p. 269.) S. A garden hybrid between *A. grande* and *A. ferrierense*. (Greaves, New Jersey.)

Anthurium Kellermanni, Hort. (*Jard.* 1893, p. 43, fig. 15.) G. Leaves light green, large, sagittate, with a broad open rounded sinus; auricles broad, very obtuse; a few large teeth on the margins. Spathe small, shorter than the spadix, fls. small, greenish. Origin unknown.

Anthurium scherzerianum, Schott, var. roseum, Hort. (*Bull Cat.* 1893, p. 9.) A variety with salmon-rose-coloured spathes. (W. Bull.)

Anthurium scherzerianum, Schott, var. sanguineum (*Bull Cat.* 1893, p. 9.) A variety with dark crimson coloured spathes. (W. Bull.)

*Arisæma Giraldii, Baroni (*B. T. O.* 1893, t. 12). This is *A. consanguineum*, Schott., an old plant allied to *A. erubescens*. China.

*Arundo madagascariensis, Kunth. (*K. B.* 1893, p. 311.) Gramineæ. S. A tall reed of wide distribution in Asia and Africa as well as Madagascar. It grows from 10 ft. to 20 ft. high and bears feathery panicles similar to Pampas grass. (Recently presented to Kew by Lord de Saumarez.)

Asplenium duale, Jenman. (*G. C.* 1893, v. xiii., p. 10.) Filices. S. A new species resembling *A. falcatum* with woody rootstock, pinnate fronds, 15 in. high, pinnæ an inch broad, serrated, with linear sori in two rows. Inadvertently described as Adiantum. (See *G. C.* ibid., p. 49.) Jamaica. (Demerara B. G.).

*Asplenium marginatum, Linn. (*G. C.* 1893, v. xiii., p. 641.) Filices. S. A large pinnate leaved species, the

fronds ultimately becoming 8 ft. long by 3 ft. in width; the pinnæ strap-shaped and of a rich emerald green colour. (Kew and H. B. May.)

Azalea hybrida Daviesii, Hort. (*Gfl.* 1893, p. 63, tab. 1387.) Ericaceæ. H. A garden hybrid with white fls., supposed to have originated by crossing *A. sinensis* with *A. viscosa.* (Lorberg, Germany.)

Azalea rustica, Hort. flore pleno. (R. H. 1893, p. 195.) H. A garden race said to be derived from *A. mollis* and *A. occidentalis.*

***Azaleodendron,** Rodigas. (*G. C.* 1893, v. xiii., p. 665). H. A so-called bigeneric hybrid between *Azalea mollis* and *Rhododendron John Waterer* and others. Six varieties have been named. They come properly under Rhododendron. (Pynaert, Ghent.)

***Bauhinia variegata,** Linn., var. **candida,** Ham. (*B. M.* t. 7312; *J. of H.* 1893, v. xxvi., p. 277, fig. 54.) Leguminosæ. S. A handsome shrub 5 ft. high with bright green leaves and large pure white fragrant fls. The type is figured in *B. M.* t. 6818. Trop. Asia. (Kew.)

Begonia coronata, Hort. (*Lemoine, Cat.* 1893.) Begoniaceæ. S. A garden hybrid between *B. caroliniæfolia* and *B. polyantha.* (V. Lemoine & Son, Nancy.)

Begonia Excelsior. (*Lemoine, Cat.* 1893, No. 123.) S. A garden hybrid between *B. Baumanni* and *B. Veitchii.* (V. Lemoine & Son, Nancy.)

***Begonia fulgens,** Hort. (*Lemoine Cat.* 1893, No. 123.) G. A new species with a tuberous rootstock, roundish-oblique green leaves and numerous racemes of rich red flowers which are fragrant. It is closely related to *B. Davisi.* Bolivia. (V. Lemoine & Son, Nancy.)

Begonia Lansbergeæ, Linden and Rodigas. (*Ill. H.* 1893, p. 41, t. 174.) S. A species with large hairy emerald-green leaves. Brazil. (L'Horticulture Internationale.)

Begonia martiana, Link and Otto, var. **pulcherrima,** Lem. (*Lemoine, Cat.* 1893, No. 123.) G. A variety with small purple tinged leaves and large carmine-red flowers. (V. Lemoine & Son, Nancy.)

Bignonia rodigasiana, Lind. (*Ill. H.* 1893, t. 183.) Bignoniaceæ. Foliage with bright green ground colour variegated with white, tinted with rosy red when young. (L'Horticulture Internationale.)

***Bletia godseffiana,** Kränzlin. (*G. C.* 1893, v. xiii., p. 442.) Orchideæ. S. Apparently only a variety of *B. verecunda,* R. Br., differing only in having smaller flowers. ? Brazil. (F. Sander & Co.)

Brassia bicolor, Rolfe. (L., t. 378.) Orchideæ. G. A new species nearly allied to *B. Wageneri.* It has large yellow and purple fls., the sepals being 2½ in. long, the petals 2 in. long, the lip patent and acuminate. Peru. (L'Horticulture Internationale.)

Brassia Lewisii, Rolfe. (*O. B.* v. i., p. 199.) G. A new species near *B. lanceana.* It has oblong pseudobulbs, linear oblong leaves 6 in. long and a raceme about 9 in. long bearing 10–12 fls. greenish yellow spotted with brown, lip pale yellow with white keels and orange marks. Habitat not recorded. (W. L. Lewis & Co.)

***Brownleea cœrulea,** Harv. (*B. M.* t. 7309.) Orchideæ. G. A terrestrial species, with a flat lobed tuber, erect annual stems each bearing two or three ovate green leaves and an erect spike of pale blue flowers with violet dots and a long straight spur. S. Africa. (Kew.)

Brugmansia aurea, Lagerh. (*Gfl.* 1893, p. 3.) Solanaceæ. G. In habit and foliage characters this does not differ from *Datura* (*Brugmansia*) *arborea,* but the fls. are golden yellow. Chili.

***Bulbophyllum Ericcsoni,** Kränzlin. (*G. C.* 1893, v. xiv., p. 522.) Orchideæ. S. A new species "by far the most striking new orchid received for a long time past." It has a long creeping rhizome, thin erect pseudobulbs 5 in. high and Stanhopea-like leaves. The fls. are umbellate and each one is 9 in. across, including the tails; they are yellowish-white with brown spots. Habitat not recorded. (F. Sander & Co.)

***Bulbophyllum Hamelini,** Hort. (*G. and F.* 1893, v. vi., p. 336.) S. A remarkable and distinct looking plant with large flat shell-like pseudobulbs 4 ins. in diameter, pressed against the thick rhizome, large leaves and scapes 18 in. long showing numerous flower-scars. Fls. not seen. Madagascar. (F. Sander & Co.)

Bulbophyllum racemosum, Rolfe. (*K. B.* 1893, p. 61.) S. A new species allied to *B. anceps.* It has suborbicular pseudobulbs an in. long, each bearing a leathery linear oblong leaf 4½ in. long; scape 6 in. long, fls. ¾ in. long yellowish spotted with maroon, the lip purple with black dots near the tip. Borneo. (Sir T. Lawrence.)

*Bulbophyllum sanderianum, Rolfe. (*K. B.* 1893, p. 4.) S. A new species allied to *B. meridense*. It has short four angled, monophyllous pseudobulbs and long racemes of green brown spotted fls., the lip hairy and purple-brown. Pernambuco. (F. Sander & Co.)

Bulbophyllum spathaceum, Rolfe. (*K. B.* 1893, p. 170.) S. A new species allied to *B. apodum*, but with shorter leaves and a denser raceme; fls. small light straw-yellow; the lip brighter. Burma. (J. O'Brien.)

*Bulbophyllum viride, Rolfe. (*K. B.* 1893, p. 170.) S. A new species, allied to *B. intertextum*, with small pseudobulbs and leaves; scape 3 in. long; flowers small, green, with two purple eye-like spots at the base of the lip. W. Trop. Africa. (Kew.)

*Bulbophyllum vitiense, Rolfe. (*K. B.* 1893, p. 4.) S. A new species with a creeping rhizome, small 4-angled monophyllous pseudobulbs, and racemes 6 in. long, clothed with small whitish and pink flowers. Fiji. (Kew.)

*Caladium rubescens, N. E. Br. (*G. C.* 1893, v. xiv., p. 86.) Aroideæ. S. A new species with a leaf-blade 6 in. by 2 in., ovate lanceolate, wavy, with short basal lobes, crimson, margined with green. Spathe 3½ in. long, green with a blackish stripe. Brazil. (F. Sander & Co.)

*Caladium venosum, N. E. Br. (*G. C.* 1893, v. xiv., p. 87.) S. A new species with leaf-blade 10 in. long, 4 in. broad, coloured green, with yellowish nerves and a red margin. Spathe 3 in. long, green. Brazil. (F. Sander & Co.)

Calamus gracillimus, Lind. (*G. C.* 1893, v. xiii., p. 475.) Palmæ. S. "Foliage very narrow, linear, elongated, spaced at wide distances apart." Habitat not recorded. (L'Horticulture Internationale.)

Calamus robustus, Lind. et Rod. (*Ill. H.* 1893, tab. 169.) S. A fine palm with broadly amplexicaul spiny leaf-stalks with brownish-black membranous margins; spines yellowish-green disposed in rings of six or eight. Pinnæ ensiform, crowded. Borneo. (L'Horticulture Internationale.)

Calanthe burfordiense, Hort. (*R.* t. 63.) Orchideæ. S. A garden hybrid, supposed to be between *C. Veitchii* and *C. vestita rubro-oculata*. (F. Sander & Co.)

Calanthe gigas, Hort. (*G. C.* 1893, v. xiii., p. 80; *J. of H.*, v. xxvi., p. 129, fig. 24.) S. A garden hybrid between *C. sanderiana* var. *gigantea* and *C. vestita* var. *gigantea*. (J. Veitch & Sons.)

Calanthe Mylesii. (*G. C.* 1893, v. xiv., p. 692.) S. A garden hybrid or seedling, like a pure white *C. Veitchii*. (B. S. Williams & Son.)

Calanthe vestita, Wall. var. oweniana, Williams. (*O. A.* t. 464.) A garden cross between *C. vestita* and *C. Veitchii*.

Calanthe Victoria-Regina. (*R.* t. 63.) S. A garden hybrid supposed to be between *C. Veitchii* and *C. rosea*. (F. Sander & Co.)

*Calceolaria andina, Benth. (*B. M.* t. 7326; *G. C.* 1893, v. xiv., p. 594.) Scrophulariaceæ. H. H. An under-shrub, with broadly-stalked, oblong, ovate, rugose leaves, and terminal panicles of yellow flowers. Chilian Andes. (Kew.)

Catasetum imschootianum, L., Lind. (*J. O.* 1893, p. 266; *L.* t. 403.) Orchideæ. S. A new species closely allied to *C. Hookeri*. It has oblong fusiform pseudobulbs, large plicate leaves, and an erect raceme of numerous yellow flowers, the sepals and petals being tinged with green; the labellum is saccate, fleshy, nearly truncate, and folded inwards. Brazil. (L'Horticulture Internationale.)

Cattleya Aclandiæ, Lindl., var. salmonea, Hort. (*L.*, t. 399.) Orchideæ. S. A variety with the ground colour of the flowers tinted salmon red. (L'Horticulture Internationale.)

Cattleya Alexandræ, Lind. & Rolfe, var. elegans, Rolfe. (*L.*, t. 358.) S. A variety with larger flowers than the type, coloured rose purple. (L'Horticulture Internationale.)

Cattleya Alexandræ, Lind. & Rolfe, var. tenebrosa, Rolfe. (*L.* t. 357.) S. A variety with flowers of a deep dusky brown colour and a rose-purple lip. (L'Horticulture Internationale.)

Cattleya amethystoglossa, Lind. and Rchb. f., var. rosea, Rolfe. (*L.* t. 375.) S. A rose-tinted variety of *C. guttata* var. *Prinzii*. (L'Horticulture Internationale.)

Cattleya ashtoniana (*G. C.* 1893, v. xiv., p. 406.) S. A garden hybrid between *C. Harrisoniæ* and *C. gigas*? (W. L. Lewis & Co.)

Cattleya Brownii, Rolfe. (*G. & F.* 1893, v. vi., p. 515.) S. A new species with pseudobulbs 2 ft. high, each bearing a pair of large oblong coriaceous leaves and a raceme of five or more flowers each 4 in. in diameter; the sepals and petals are bright rose-purple and undu-

lated; the lip is three-lobed and pale purple with veins of a darker shade. Habitat not recorded. (F. Sander & Co.)

Cattleya Chloris. (*G. C.* 1893, v. xiv., p. 470.) S. A garden hybrid between *C. bowringiana* and *C. maxima*. (J. Veitch & Sons.)

Cattleya Eldorado, Lind., var. **Treyeranæ,** Hort. (*L.*, t. 402.) S. A variety with large broad sepals and petals coloured rosy-lilac, and a large labellum with a blotch of orange-yellow on the front lobe. (L'Horticulture Internationale.)

Cattleya guttata, Lindl., var. **pernambucensis,** Rodigas. (*Ill. H.* 1893, t. 184.) S. Sepals and petals greenish yellow faintly spotted with red-brown, lip bright red bordered with white. (L'Horticulture Internationale.)

Cattleya intermedia, Grah., var. **picturata,** Rolfe. (*O. R.*, v. i., p. 198.) S. A variety with splashes of rose in the sepals and petals, and the side lobes as well as the front lobe of the lip heavily flaked and striped with amethyst purple. (Messrs. Cappe, Vesinet, Seine-et-Oise.)

Cattleya johnstoniana. (*G. C.* 1893, v. xiv., p. 406.) S. A garden hybrid of the same origin as *C. ashtoniana*, which see.

Cattleya Mossiæ, Hook. var. **Mendeli,** L., Lind. (*L.*, t. 376.) S. A variety intermediate between *C. labiata Mossiæ* and *C. labiata Mendelii*. (L'Horticulture Internationale.)

Cattleya Patrocinii, Hort. (*O. R.* v. i., p. 343.) S. A supposed natural hybrid between *C. Loddigesii* and *C. guttata leopardina*. It has the habit of *C. Loddigesii* with rose-purple flowers and a three lobed yellowish lip, the front lobe being deep rose-purple. Brazil. (A. A. Peeters, Brussels.)

Cattleya Pheidona. (*G. C.* 1893, v. xiv., p. 470; *O. R.* v. i., p. 363.) S. A garden hybrid between *C. intermedia* and *C. maxima*. (J. Veitch & Sons.)

Cattleya Trianæ, Lind. & Rchb. f., var. **broomeana,** O'Brien. (*G. C.* 1893, v. xiii., p. 290.) S. A variety with broad nearly white segments and a blotch of glowing crimson on the labellum. (J. Broome.)

Cattleya Trianæ, Lind. & Rchb. f., var. **Gravesiæ,** R. M. Grey. (*G. C.* 1893, v. xiii., p. 357.) S. A variety with narrow leaves and pseudobulbs and large flowers with a red blotch on the labellum. (H. Graves, New Jersey.)

Cattleya Warneri, Moore, var. **formosa,** Hort. (*G. C.* 1893, v. xiii., p. 641.) S. A variety with large richly coloured flowers. (Charlesworth, Shuttleworth & Co.)

Cattleya Warscewiczii, Rchb. f. var. **franconvillensis,** O'Brien. (*G. C.* 1893, v. xiv., p. 150.) S. A variety with pure white flowers with a blotch of rich purplish-crimson on the lip. (Duc de Massa, France.)

Cattleya Warscewiczii, Rchb. f., var. **purpurea,** Hort. (*G. C.* 1893, v. xiii., p. 752.) S. A variety with rich deep purplish coloured flowers. (F. Sander & Co.)

Cattleya Warscewiczii, Rchb. f., var. **Sanderæ,** Hort. (*G. C.* 1893, v. xiii., p. 752.) S. "Flowers of a warm crimson colour and with a velvety labellum. (F. Sander & Co.)

Cattleya William Murray. (*G. C.* 1893, v. xiii., p. 639.) S. A garden hybrid between *C. Merdelii* and *C. lawrenciana*. (N. C. Cookson.)

Cattleya wellsiana. (*G. C.* 1893, v. xiii., p. 639.) S. A garden hybrid between *C. superba* and *Lælia elegans?* (F. Sander & Co.)

Ceanothus Fenolleri, Gray. (*Gfl.* 1893, p. 536.) Rhamnaceæ. H. H. A much branched thorny bush from one to two feet high with egg-shaped or elliptic leaves silky below and dark green, glossy, and smooth above. Flowers snow-white. Colorado, &c. (Spath, Berlin.) This name is doubtless a misprint for *C. Fendleri*, Gray.

Centaurea odorata, Koch, var. **alba.** (*B. T. O.* 1893, p. 105, f. 12.) Compositæ. A variety differing from the type in having white flowers. Syn. *C. Margaritæ*, Sprenger. (Dammann & Co., Naples.)

***Cephalandra palmata,** Schrad. (*B. T. O.* 1893, p. 331.) Cucurbitaceæ. S. A perennial cucurbit with a very large bulbous rootstock and ivy-like leaves and small fruits scarlet marbled with white. S. Africa. (Dammann & Co.)

***Chlorophytum brachystachyum,** Baker. (*G. C.* 1893, v. xiii., p. 710.) Liliaceæ. G. A new species allied to *C. stenopetalum*. It has Eucomis-like leaves, 8 in. long and a dense raceme of small white flowers. Nyassaland. (Kew.)

Chysis oweniana, Hort. (*G. C.* 1893, v. xiv., p. 756.) Orchideæ. S. This is *C. bruennowiana*, Rchb. f., which was introduced about forty years ago. It resembles *C. aurea* in habit and

bears several medium-sized flowers of a pinkish hue. Peru. (F. Sander & Co.)

***Cineraria maritima,** Linn., var. **aureo-variegata,** Hort. (*G. C.* 1893, v. xiii., p. 641; *J. of H.*, v. xxvi., p. 438, fig. 78.) Compositæ. G. A prettily variegated variety, the leaves green margined with creamy yellow. (H. B. May.)

Cirrhopetalum brienianum, Rolfe. (*K. B.* 1893, p. 62.) Orchideæ. S. A new species allied to *C. makoyanum*, pseudobulbs ovoid ½ in. long; leaves oblong, 2¼ in. long; scape 9 in. long; flowers small, yellow and maroon. Borneo. (L'Horticulture Internationale.)

***Cirrhopetalum robustum,** Rolfe. (*O. R.* v. i., p. 175.) S. A new species with large ovate angled pseudobulbs and thick leathery leaves 13 in. long and 4 in. wide. Scape very stout, bearing an eleven-flowered umbel 7½ in. across; flowers 2¼ in. long; sepals and petals greenish-yellow tinged with purple, lip deep red purple. This is the largest species known. New Guinea. (Col. T. Clarke.)

Cœlogyne borneensis, Rolfe. (*K. B.* 1893, p. 62.) Orchideæ. S. A new species, allied to *C. longifolia*; pseudobulbs ovoid, each bearing two obovate leaves; raceme 5 in. long; flowers small whitish with red brown markings on the lip. Borneo. (L'Horticulture Internationale.)

Cœlogyne Clarkii, Kranzlin. (*G. C.* 1893, v. xiii., p. 741.) S. A new species in the way of *C. anceps*. It has light brown sepals and petals and a yellowish brown lip margined with brown. Habitat not recorded. (F. Sander & Co.)

***Cœlogyne sanderæ,** Kränzlin. (*G. C.* 1893, v. xiii., pp. 336, 360, fig. 52; *R.* t. 56.) S. A new species allied to *C. barbata*. It has ovate pseudobulbs, ovate lanceolate leaves, and erect scapes bearing flowers 2 in. across, white with a yellow blotch on the lip and a fringe of long brown hairs on the keel. Upper Burma. (F. Sander & Co.)

Cœlogyne tenuis, Rolfe. (*K. B.* 1893, p. 171.) S. A new species, near *C. borneensis*, differing in its one-leaved pseudobulbs, slender scapes, and other characters. Flowers small, of a light buff colour. Borneo. (L'Horticulture Internationale.)

Cladrastis tinctoria, Raf., fol. var. (R. H., 1893, p. 391.) Leguminosæ. A form of the yellow wood with variegated leaves, variegation said to be constant. (Simon-Louis Frères, Metz.)

Clematis Pitcheri × coccinea. (*R. H.* 1893, p. 376.) Ranunculaceæ. H. A garden hybrid intermediate in character between the two parents. (Morel, Lyons.)

Clethra arborea, Ait., var. **fol. variegat.** (*R. H. B.* 1893, p. 285, t.) Ericaceæ. G. A form of this handsome Madeiran tree with variegated leaves. (Pynaert, Ghent.)

Cocos odorata, Barb. Rodr. (*R. H.* 1893, p. 345, f. 110.) Palmeæ. G. A dwarf species like *C. campestris*, but differing in its depressed subspherical apiculate fruits. (Countess de Foz.)

Coreopsis aristosa, Michx., var. **mutica,** Purpus (*Gfl.* 1893, p. 449, pl.) Compositæ. H. A showy annual, about 3 ft. high, with cut leaves turning bronzy, and bright deep yellow flower heads. United States. (Darmstadt.)

Coryanthes Wolfii, Lehm. (*O. R.* v. i., p. 264; *G. C.* 1891, v. x., p. 483.) Orchideæ. S. A very remarkable species with stiff upright scapes of yellow and brownish red, medium-sized flowers, remarkable for their nearly flat solid hood. Ecuador. (Glasnevin.)

***Cotyledon Barbeyi,** Baker. (*G. C.* 1893, v. xiii., p. 624.) Crassulaceæ. G. A new species allied to *C. orbicularis*. (*Bot. Mag.* t. 321.) It is perennial, with tall branching stems and fleshy glaucous leaves 3 in. long. Flowers numerous in a sub globose panicle, corolla 1 in. long, green and red. Arabia Felix. (Dammann & Co., Naples.)

Cotyledon quitensis, Hort. (*W. G.* 1893, p. 144, f. 33.) G. A dwarf branched compact-growing plant, with red flowers borne in racemes from December onwards. (Dammann & Co., Naples.) This plant is altogether different from the true *C. quitensis*, Baker.

Crocus Crewii, Hook. (*Gard.* 1893, v. xliii., p. 278.) Irideæ. H. A distinct species, closely allied to *C. biflorus*, with almost black anthers and a rich orange centre. Asia Minor. (Whittall, Smyrna.)

Crocus luteus, Roch., var. **striatus** (*G.C.* 1893, v. xiii., p. 385.) H. A form of the ordinary Dutch crocus, with three distinct black stripes on the back of the outer segments of the perianth. (Col. Trevor Clarke.)

Crocus Tauri, Maw., var. **melanthorus**, Baker. (*G. C.* 1893, v. xiii., p. 226.) H. A form of *C. Tauri* with black anthers. Smyrna. (J. Allen.)

***Crotalaria longirostrata**, Hook. & Arn. (*B. M.* t. 7306.) Leguminosæ. A handsome greenhouse plant, growing to a yard in height, with thin branches, clothed with trifoliate leaves, and bearing in winter erect racemes of rich yellow flowers. Mexico. (Kew.)

Croton Russelli, Hort. (*G. C.* 1893, v. xiv., p. 629; *J. of H.* v. xxvii., p. 493, fig. 71.) Euphorbiaceæ. S. A seedling variety of the popular garden Croton = *Codiæum pictum*, var. (H. Low & Co.).

Croton Thomsoni, Hort. (*G. C.* 1893, v. xiii., p. 641.) S. One of the many seedling varieties of *Codiæum pictum*. (J. Laing and Son.)

***Cucurbita maxima**, Duch., var. **sylvestris**, Naud. (*B. T. O.* 1893, p. 333.) Cucurbitaceæ. Supposed to be the origin of all the large-fruited gourds in cultivation. The native country of *C. maxima* was unknown, but the present plant has been found wild in the Himalayan region; fruit as large as a man's head. (Dammann & Co., Naples.)

Cucurbita mexicana, Sprenger. (*B. T. O.* 1893, p. 334.) H. H. According to Naudin this is *C. melanosperma*, Naud., *var. mexicana*. Seeds twice the size of those of the type. Said to grow wild in the neighbourhood of Mazatlan in Mexico. (Dammann & Co., Naples.)

Cupania elegans, Lind. (*G. C.* 1893, v. xiii., p. 474.) Sapindaceæ. S. "A species with light and graceful foliage, leaves undulated and toothed at the edges." Habitat not recorded. (L'Horticulture Internationale.)

Cyanophyllum aspersum, Lind. (*G. C.* 1893, v. xiii., p. 475.) Melastomaceæ. S. "Leaves more elongated than in *C. magnificum*, and coated with a most delicate down, which gives it a beautiful velvety texture." Habitat not recorded. (L'Horticulture Internationale).

Cymbidium grandiflorum, Griff., var. **punctatum**, Cogn. (*L.*, t. 389; *J. O.* 1893, p. 76.) Orchideæ. S. A variety with purplish spots on the lower parts of the segments. (L'Horticulture Internationale.)

Cymbidium lowianum, Rchb. f., var. **aureum**, Hort. (*G. C.* 1893, v. xiii., p. 682.) S. A variety with flowers almost wholly of a yellow colour, with a blotch of orange on the lip.

Cymbidium lowianum, Rchb. f., var **superbissimum**, Lind. (*L.*, t. 392.) S. A variety with the front lobe of the labellum coloured deep maroon purple. (L'Horticulture Internationale.)

***Cynorchis grandiflora**, Ridley. (*G. C.* 1893, v. xiii., pp. 80, 197, fig. 29; *O. R.* v. i., p. 59.) Orchideæ. S. A tuberous rooted terrestrial orchid, with ensiform annual leaves and erect one- or two-flowered scapes a foot long. Flowers 1½ in. across, sepals and petals small greenish with purple spots, lip large, four-lobed with a long spur, and coloured bright-rose purple. Madagascar. (Lewis & Co.).

Cyperus aristatus, Hort. (*B. T. O.* 1893, p. 107, f. 14.) Cyperaceæ. G. An annual species hardly six inches high; said to be a pretty decorative plant. Mexico. (Dammann & Co., Naples.)

Cyperus gracilis, Hort. (*R. H.* 1893, p. 391.) G. A form of *C. alternifolius variegatus*, with filiform stems and leaves. (Dutrie Frères, France.)

Cypripedium Æson. (*G. C.* 1893, v. xiii., p. 80.) Orchideæ. S. A garden hybrid between *C. Druryi* and *C. insigne*. (J. Veitch & Sons.)

Cypripedium Alfred Bleu. (*R. H.* 1893, p. 84, col. plate.) Orchideæ. S. A garden hybrid between *C. ciliolare* and *C. insigne Chantini*. (Bleu, Paris.)

Cypripedium Aphrodite. (*G. C.* 1893, v. xiv., p. 342.) S. A garden hybrid between *C. niveum* and *C. lawrencianum* (J. Veitch & Sons.)

Cypripedium appletonianum, Hort. (*G.* v. xiii., p. 95; *O. R.* v. i., p. 135.) S. "Evidently only a variety of *C. bullenianum*, with paler coloured flowers and bright green leaves reticulated with dark green." (W. M. Appleton.)

Cypripedium bellatulum, Rchb. f., var. **luteopurpureum**, O'Brien. (*G. C.* 1893, v. xiv., p. 179.) S. A variety with yellowish flowers blotched with purple. (G. W. L. Schofield.)

Cypripedium Charles Rickman. (*G. C.* 1893, v. xiii., p. 580; *J. of H.* v. xxvi., p. 517, fig. 92.) S. A garden hybrid between *C. barbatum* and *C. bellatulum*. (C. Rickman.)

***Cypripedium Charlesworthii**, Rolfe. (*G. C.* 1893, v. xiv., pp. 406, 437, fig. 70; *O. R.* v. i., p. 303.) S. A new species, closely allied to *C. spicerianum*, which it resembles in leaf and in size and form of flower, differing mainly in colour; the dorsal sepal is white, veined and shaded

with rosy purple; petals and lip yellowish tinged with brown; staminode white. (Charlesworth, Shuttleworth, & Co.)

Cypripedium Claudii. (*L.*, t. 397.) S. A garden hybrid between *C. spicerianum* and *C. vernixium*. (M. Moens, Lede.)

Cypripedium Cleola. (*O.* 1893, p. 162.) S. A garden hybrid between *C. Schlimii albiflorum* and *C. boissierianum*.

Cypripedium clinkaberryanum. (*G. C.* 1893 v. xiv., p. 86, fig. 18.) S. A garden hybrid between *C. philippinense* and *C. Curtisii*. (C. G. Roebling, New Jersey.)

Cypripedium Clonius. (*G. C.* 1893, v. xiv., p. 536.) *J. of H.*, v. xxvii., p. 395, fig. 58.) A garden hybrid between *C. concholerum* and *C. caudatum Wallisii*. (J. Veitch & Sons.)

Cypripedium Clymene. (*G. C.* 1893, v. xiii., p. 456.) S. A garden hybrid between *C. carcinum* and *C. caudatum*, var. *Wallisii*. (J. Veitch & Sons.)

Cypripedium concco-lawre. (*J. of H.* 1893, v. xxvi., p. 193, fig. 41.) S. A garden hybrid between *C. concolor* and *C. lawrencianum*. (Sir T. Lawrence.)

Cypripedium concolor, Parish, var. **striata,** O'Brien. (*G. C.* 1893, v. xiii., p. 596.) S. A variety with narrow segments lined with purple, the lip dotted with purple. Mergui. (R. B. White.)

Cypripedium constableanum. (*G.* v. xiii., p. 75.) S. A garden hybrid between *C. fairieanum* and *C. dayanum*. (F. A. Constable, New York.)

Cypripedium Creon. (*G. C.* 1893, v. xiii., p. 80.) S. A garden hybrid between *C. œnanthum superbum* and *C. harrisianum*. (J. Veitch & Sons.)

Cypripedium Déception. (*O.* 1893, p. 97.) S. A garden hybrid between *C. hirsutissimum* and *C. venustum*. (Godefroy Lebeuf, Paris.)

Cypripedium Dibdin. (*G. C.* 1893, v. xiii., p. 162.) S. A garden hybrid between *C. Argus* and *C. Boxalli*. (F. G. Tautz.)

Cypripedium Edwardii. (*G. C.* 1893, v. xiv., p. 132.) S. A garden hybrid between *C. fairieanum* and *C. superbiens*. (Pitcher & Manda.)

Cypripedium enfieldense, var. **Hebe.** (*O. R.* v. i., p. 309.) S. A garden hybrid between *C. Hookeræ measuresianum* and *C. lawrencianum*. (R. J. Measures.)

Cypripedium Erato. (*O. R.*, v. i., p. 118.) S. A garden hybrid between *C. Sallieri* and *C. hirsutissimum*. (C. Vuylsteke, Ghent.)

Cypripedium Eucharis. (*G. C.* 1893, v. xiii., p. 135.) S. A garden hybrid between *C. insigne Chantini* and *C. lawrencianum*. (C. Vuylsteke, Ghent.)

Cypripedium eyermanianum, var. **Diana.** (*O R.* v. i., p. 309.) S. A garden hybrid between *C. barbatum superbum* and *C. spicerianum*. (R. J. Measures.)

Cypripedium fascinatum. (*G. C.* 1893, v. xiv., p. 756.) S. A garden hybrid between *C. spicerianum* and *C. hirsutissimum*. (J. Hye-Leysen, Ghent.)

Cypripedium fairieano-lawrencianum. (*G. M.* 1893, p. 728, fig.) S. A garden hybrid between the two species indicated by the name. (T. Statter.)

Cypripedium Ganesa. (*O. R.* v. i., p. 308.) S. A garden hybrid between *C. lawrenceanum hyeanum* and *C. Sallieri*. (R. J. Measures.)

Cypripedium greyanum. (*G. C.* 1893, v. xiii., p. 396.) S. A garden hybrid between *C. citriolare* and *C. Druryi*. (Pitcher & Manda.)

Cypripedium Hebe. (*G. and F.* 1893, v. vi., p. 105.) S. A garden hybrid between *C. Stonei* and *C. spicerianum*. (H. Graves, New Jersey.)

Cypripedium Hermione. (*G. C.* 1893, v. xiv., p. 682.) S. A garden hybrid between *C. spicerianum* and *C. barbatum Warneri*. (R. Young.)

Cypripedium hybridum corbeillense (*R. H.* 1893, p. 250.) S. A cross between *C. Bulleni* and *C. insigne*. (Maron, France.)

Cypripedium insigne, Wall., var. **albens.** Hort. (*G. C.* 1893, v. xiv., p. 536.) S. A variety with flowers coloured yellow and white, with scarcely any of the brown markings of the type. (Heath & Son.)

Cypripedium insigne, Wall., var. **Clarkei,** Hoft. (*G. C.* 1893, v. xiv., p. 537.) S. A variety with only a few spots on the dorsal sepal. (W. C. Clarke.)

Cypripedium insigne, Wall., var. **Ernestii,** Hort. (*G. C.* 1893, v. xiv., p. 630.) S. A variety with pale-coloured flowers, not unlike that called *Sanderæ*. (R. J. Measures.)

Cypripedium insigne, Wall., var. **illustre,** Hort. (*G. C.* 1893, v. xiv., p. 692.) S. A variety with flowers of a clearer yellow hue than usual. (R. J. Measures.)

Cypripedium leeanum ampliatum, Hort. (*G. and F.* 1893, v. vi., p. 117.) S. A variety with flowers one-third larger than the type. (Pitcher & Manda.)

Cypripedium Ledouxiæ. (*O. R.* v. i., p. 117.) S. A garden hybrid of doubtful origin. It is said to be very near *C. harrisianum.* (G. R. le Doux.)

Cypripedium Leonæ. (*L.* t. 360; *G. C.* 1893, v. xiv., p. 342.) S. A garden hybrid between *C. insigne,* var. *Chantini,* and *C. callosum.* (L'Horticulture Internationale.)

Cypripedium lucienianum. (*L.* t. 362.) S. A garden hybrid between *C. villosum* and *C. œnanthum superbum,* or *C. bellatulum.* (L'Horticulture Internationale.)

Cypripedium lynchianum. (*G. C.* 1893, v. xiv., p. 692.) S. A garden hybrid between *C. spiceranum* and *C. selligerum majus.* (F. Sander & Co.)

Cypripedium macropterum. (*G. C.* 1893, v. xiii., p. 396.) S. A garden hybrid between *C. Lowii* and *C. superbiens.* (Pitcher & Manda.).

Cypripedium Mme. Gibez. (*O.* 1893, p. 67.) A garden hybrid between *C. venustum* and *C. villosum.* (Mdme. Gibez, France.)

Cypripedium massaianum. (*G. C.* 1893, v. xiv., pp. 70, 267, fig. 48.) S. A garden hybrid between *C. superciliare* and *C. rothschildianum.* (F. Sander & Co.)

Cypripedium mauriceanum. (*O. R.* v. i., p. 118.) S. A garden hybrid between *C. harrisianum* and *C. spicerianum.* (O. Block, Paris.)

Cypripedium Melanthus. (*G. C.* 1893, v. xiii., p. 456; *O. R.*, v. i., p. 147.) S. A garden hybrid between *C. Hookeræ* and *C. Stonei.* (J. Veitch & Sons.)

Cypripedium Memoria Mœnsii. (*L.* t. 361.) S. A garden hybrid, the parentage of which is unrecorded, but it is probably between *C. spicerianum* and *C. hirsutissimum.* (J. Moens, Lede.)

Cypripedium Minos. (*G. C.* 1893, v. xiv., p. 692.) S. A garden hybrid between *C. spicerianum* and *C. arthurianum.* (J. Veitch & Sons.)

Cypripedium Mulus. (*O. R.* v. i. p. 241.) S. A garden hybrid between *C. hirsutissimum* and *C. lawrencianum.*

Cypripedium Murillo. (*G. C.* 1893, v. xiii., p. 162.) S. A garden hybrid between *C. Boxalli,* var. *atratum* and *C. Argus.* (C. Vuylsteke, Ghent.)

Cypripedium œno-superbiens. (*J. of H.* 1893, v. xxvii., p. 269, fig. 38.) S. A garden hybrid between *C. œnanthum* and *C. superbiens.* (Sir T. Lawrence.)

Cypripedium Orion. (*G. C.* 1893, v. xiii., p. 80.) S. A garden hybrid between *C. concolor* and *C. insigne.* (J. Veitch & Sons.)

Cypripedium Paris. (*O. R.* vi., p. 87, fig. 6.) S. A garden hybrid between *C. bellatulum* and probably *C. Stonei.* (R. H. Measures.)

Cypripedium Paulii. (*O. R.* v., i., p. 147.) S. A garden hybrid between *C. harrisianum* and *C. selligerum.* (J. C. Bowring.)

Cypripedium Penelaus. (*G. C.* 1893, v. xiii., p. 80; *J. of H.* v. xxvi., p. 219, fig. 45.) S. A garden hybrid between *C. caudatum,* var. *Lindeni* and *C. calurum.* (J. Veitch & Sons.)

Cypripedium Phædra. *See* under *Selenipedium.*

Cypripedium pryorianum. (*G. C.* 1893, v. xiv., p. 692.) S. A garden hybrid between *C. lathamianum* and *C. harrisianum.* (F. Sander & Co.)

Cypripedium Sallieri pictum. (*G. and F.* 1893, v. vi., p. 117). S. A garden hybrid between *C. villosum superbum* and *C. insigne Chantini.* (Pitcher & Manda.)

Cypripedium Sandero-superbiens. (*G. C.* 1893, v. xiv., p. 278; *J. of H.* v. xxvii., p. 215, fig. 81). S. A garden hybrid between the two species indicated by the name. (N. C. Cookson.)

Cypripedium sibyrolense. (*I. H.* 1893, p. 69, t. 179.) S. A garden hybrid between *C. Boxalli* and *C. insigne.* (L'Horticulture Internationale).

Cypripedium southgatense superbum. (*G. C.* 1893, v. xiv., p. 630). S. A garden hybrid between *C. bellatulum* and *C. harrisianum.* (T. Statter).

Cypripedium spicerianum, Rchb. f., var. **mercatellianum,** Pucci (*B. T.* 1893, p. 144, pl.) A variety with more white in the flower than in that of the type. (Mercatelli, Florence.)

Cypripedium statterianum. (*G. C.* 1893, v. xiv., p. 536; *J. of H.* v. xxvii., p. 417, fig. 61.) A garden hybrid between *C. spicerianum* and *C. vexillarium.* (T. Statter.)

Cypripedium Sylvia. (*G. C.* 1893, v. xiii., p. 682.) S. A garden hybrid between *C. Curtisii* and *C. lawrencianum.* (C. Winn.)

Cypripedium Tacita. (*G. C.* 1893, v. xiii., p. 357.) S. A garden hybrid between *C. measuresianum* and *C. tonsum.* (H. Graves, New Jersey.)

Cypripedium Tennyson. (*G. C.* 1893, v. xiv., p. 490.) S. A garden hybrid between *C. œnanthum superbum* and *C. dayanum.* (P. McArthur.)

Cypripedium tonso-villosum. (*G. and F.* 1893, v. vi, p. 117.) S. A garden hybrid between the two species indicated in the name. (Pitcher & Manda.)

Cypripedium Turpe. (*O.* 1893, p. 169.) A garden hybrid between *C. barbatum,* var. *Crossii* and *C. Argus.* (Godefroy-Lebeuf, Paris.)

Cypripedium T. W. Bond. (*G. C.* 1893, v. xiii., p. 396.) A garden hybrid between *C. swanianum* and *C. hirsutissimum.* (C. L. N. Ingram.)

Cypripedium thayerianum. (*G. C.* 1893, v. xiv., p. 193.) S. A garden hybrid between *C. lawrencianum* and *C. Boxalli.* (F. Sander & Co.)

Cypripedium tryonianum. (*G. C.* 1893, v. xiv., p. 134.) S. A garden hybrid between *C. harrisianum* and *C. superbiens.* (H. Tate.)

Cypripedium umlauftianum. (*G. C.* 1893, v. xiv., p. 70.) S. A garden hybrid between *C. insigne,* var. *Chantini* and *C. lawrencianum.* (F. Sander & Co.)

Cypripedium venustum, Wall., var. **measuresianum,** Hort. (*G. C.* 1893, v. xiv., p. 756.) S. A variety with flowers in which the only colours are white and green. (R. J. Measures.)

Cypripedium vernixium punctatum. (*G. and F.* 1893, v. vi., p. 117.) S. A variety with a recurved dorsal sepal and slight colour differences. (Pitcher & Manda.)

Cypripedium vexill-Io. (*G. C.* 1893, v. xiii., p. 752.) S. A garden hybrid between *C. vexillarium* and *C. Io.* (N. C. Cookson.)

Cypripedium villosum, Lindl., var. **Gortoni,** O'Brien. (*G. C.* 1893, xiii. p. 40.) S. A variety differing from the type chiefly in the purplish colour of its flowers. Burma. (Dr. Gorton.)

Cypripedium villosum, Lindl., var. **measuresianum.** O'Brien. (*G. C.* 1893, v. xiv., p. 297.) S. A variety with large dark blotches as in *C. Boxalli* var. *atratum.* (F. Sander & Co.)

Cypripedium Vipani, var. **roseum,** Hort. (*O. R.*, v. i., p. 245.) S. A garden hybrid between *C. niveum* and *C. philippinense* var. (C. Ingram.)

Cypripedium villosum, Lindl., var. **violaceum,** Desbois. (*G. C.* 1893, v. xiii., p. 195.) S. A garden hybrid between *C. villosum* and *C. hirsutissimum.* (Ch. Vuylsteke, Ghent.)

Cypripedium volonteanum giganteum. Hort. (*G. C.* 1893, v. xiii., p. 641.) S. A variety with flowers twice as large as the type. (H. Low & Co.)

Cypripedium watsonianum. (*O. R.* v. i., p. 244.) S. A garden hybrid between *C. harrisianum nigrum* and *C. concolor.* (F. Sander & Co.)

Cypripedium weathersianum. (*L.* t. 397.) S. A garden hybrid between *C. lecanum superbum* and *C. hirsutissimum.* (L'Horticulture Internationale.)

Cypripedium winnianum. (*G. C.* 1893, v. xiii., p. 207.) S. A garden hybrid between *C. villosum* and *C. Druryi.* (J. Veitch & Sons.)

Cypripedium Zampa. (*O. R.* v. i., p. 118.) S. A garden hybrid between *C. lecanum superbum* and *C. hirsutissimum.* (C. Vuylsteke, Ghent.)

Cyrtanthus interedia. (*G. C.* 1893, v. xiii., p. 413.) Amaryllideæ. S. A garden hybrid between *C. Mackeni* and *C. angustifolius.* (W. Bull.)

Cyrtopera papillosa, Rolfe. (*K. B.* 1893, p. 336.) Orchideæ. S. A new species, allied to *C. foliosa,* Lindl. Leaves lanceolate 12 in. long; scape 2 ft. high, bearing a few flowers each about an inch across and coloured yellow with purplish brown on the side lobes of the lip. Natal. (J. O'Brien.)

Cyrtopodium Aliciæ, Linden & Rolfe. (*L.* t. 371.) Orchideæ. S. A new species allied to *C. cristatum,* Lindl. It has large fusiform pseudobulbs, long linear lanceolate leaves, and a tall branched scape bearing numerous flowers which are 1½ in. across, green with brown spots, and a three-lobed labellum coloured white with crimson spots. Brazil. (L'Horticulture Internationale.)

Davallia fijiensis, Hook., var. **elegans,** Hort. (*G. C.* 1893, v. xiii., p. 611.) Filices. S. A variety with finely divided fronds. (W. & J. Birkenhead.)

Dendrobium Benita. (*G. C.* 1893, v. xiii., p. 355.) Orchideæ. S. A garden hybrid between *D. aureum,* and *D. Falconeri.* (W. E. Brymer.)

Dendrobium Bensoniæ, Rchb. f., var. **album,** Hort. (*G. C.* 1893, v. xiii., p. 580.) S. A variety with longer segments and less colour in the flowers than the type. (T. Statter.)

Dendrobium Bryan. (*G. C.* 1893, v. xiii., p. 395.) S. A garden hybrid between *D. luteolum* and *D. wardianum.* (N. C. Cookson.)

Dendrobium cheltenhamense. (*G.* v. xliii., p. 389.) S. A garden hybrid between *D. luteolum* and *D. aureum* (J. Cypher.)

Dendrobium Mentor. (*G. C.* 1893, v. xiii., p. 580.) S. A garden hybrid between *D. superbum* and *D. primulinum.* (J. Veitch & Sons.)

Dendrobium Niobe. (*G. C.* 1893, v. xiii., p. 456; *O. R.* v. i., p. 146.) S. A garden hybrid between *D. tortile* and *D. nobile.* (J. Veitch & Sons.)

Dendrobium nobile, Lindl., var. **Amesiæ,** Hort. (*O. R.* v. i., p. 115.) S. A variety with pure white sepals and petals and a large richly coloured lip. (F. Sander & Co.)

Dendrobium nobile, Lindl., var. **ballianum,** Hort. (*G. C.* 1893, v. xiii, p. 322; *O. R.* v. i., p. 115.) S. A variety with white segments, tipped with pale pink instead of purple. (F. Sander & Co.)

***Dendrobium owenianum.** (*G. C.* 1893, v. xiii., pp. 206, 226; *O. R.*, v. i., p. 86.) S. A garden hybrid between *D. linawianum* and *D. wardianum.* These are the parents of *D. chlorostele,* Rchb. f. (F. Sander and Co.)

Dendrobium rœblingianum. (*O. R.* v. i., p. 211.) S. A garden hybrid between *D. Ruckeri* and *D. nobile.* (Pitcher & Manda, New Jersey.)

Dendrobium Rubens. (*G. C.* 1893, v. xiii., p. 226.) S. A garden hybrid between *D. leeshianum* and *D. nobile nobilius.* (J. Cypher.)

Dendrobium Sibyl. (*G. C.* 1893, v. xiii., p. 395.) S. A garden hybrid between *D. linawianum* and *D. bigibbum.* (N. C. Cookson.)

***Dermatobotrys Saundersii,** Bolus. (*K. B.* 1893, p. 367.) Scrophularineæ. S. A deciduous perennial, with somewhat herbaceous stems a foot high and fleshy oblong ovate leaves; the flowers are produced in whorls below the new leaves, each flower being tubular 1½ in. long, and coloured bright red and yellow. Zululand. (Kew.)

Desmodium penduliflorum, Oudem., var. **fl. albo.** (*W. G.* 1893, p. 69.). Leguminoseæ. H. A white flowered form. (Treyve, France.)

Deutzia parviflora, Bunge. (*G. C.* 1893, v. xi., p. 152, f. 31.) Saxifrageæ. A white-flowered bush, hardy in Britain. China.

Dianthus hybridus, Gartenbau-Direcktor R. Brandt. (*Gfl.* 1893, t. 1389.) Caryophyllaceæ. H. A new garden race supposed to have originated between *D. barbatus* and *D. sinensis.* (Amelung, Berlin.)

Dipladenia eximea, Hemsley. (*G. C* 1893, v. xiv., p. 120.) Apocynaceæ. S. A new species with elliptical or orbicular leaves nearly 2 in. long, and cymose racemes of rich rose red flowers, each 2½ in. across. ? Brazil. (F. Sander & Co.)

***Disa kewensis.** (*G. C.* 1893, v. xiii., p. 625; *G. & F.*, vi., p. 241.) Orchideæ. G. A garden hybrid between *D. grandiflora* and *D. tripetaloides.* (Kew.)

***Disa Premier.** (*G. C.* 1893, v. xiv., p. 470; *G. M.*, 1893, p. 658, fig.) G. A garden hybrid between *D. Veitchii* and *D. tripetaloides.* (Kew.)

***Dizygotheca leptophylla,** Hemsl. (*K. B.* 1893, p. 156.) Araliaceæ. S. This is the correct name of the plant which has been in cultivation for over 30 years under the name of *Aralia leptophylla.* Habitat unknown, but likely to be Polynesia.

***Dolichos simplicifolius,** Hook. f. (*B. M.* t. 7318.) Leguminosæ. S. A new species, remarkable in having a woody tuberous rhizome or caudex, which gives off annual herbaceous erect stems about a foot long, bearing simple lanceolate leaves 6 in. long, and axillary clusters of pink pea-shaped flowers. Trop. Africa. (Kew.)

***Dorstenia Walleri,** Hemsl. (*G. C.* 1893, v. xiv., p. 178.) Urticaceæ. S. A new species near *D. Mannii,* with a tuberous rootstock, perennial stems a foot high, and ovate fleshy leaves 2 in. to 5 in. long; inflorescence green, star-shaped, nearly an inch across with five tails 2 in. long. Nyassaland. (Kew.)

***Doryanthes Guilfoylei,** Hort. (*Gard.* 1893, v. xliv., p. 69, fig.) Amaryllideæ. S. According to Mr. Baker this is only a form of *D. Palmeri*. It has leaves 9 ft. long and 8 in. wide and a flower spike 16 ft. high, bearing numerous clusters of crimson amaryllis-like flowers. Queensland. (Botanic Gardens, Melbourne.)

Dracæna cuprea, Lind. et Rodigas. Liliaceæ. S. A Cordyline, probably a form of *C. terminalis* with coppery-brown leaves shaded with green, leaf stalks salmon-rose. (L'Horticulture Internationale.)

***Dracæna godseffiana,** Hort. (*G. & F.* 1893, v. vi., p. 194.) S. A prettily variegated plant, with the characters of *D. surculosa*, but the spots on the leaves are bright creamy yellow. West Trop. Africa. (F. Sander & Co.)

Dracæna Jamesii, Hort. (*G. C.* 1893, v. xiv., p. 629.) S. A seedling variety of *Cordyline terminalis*. (J. Veitch & Sons.)

***Dracæna sanderiana,** Hort. (*G. C.* 1893, v. xii., p. 442, fig. 65, also p. 576; *J. of H.* v. xxvi., p. 389, fig. 71.) S. A distinct and ornamental species, with slender stem, branched at the base, the leaves 6 in. long, 1½ in. broad, elegantly curved, and coloured green with bands of white. Trop. West Africa. (F. Sander & Co.)

Ephedra trifurca, Torr. (*Gfl.* 1893, p. 535.) Gnetaceæ. An upright bush 2 ft. to 4 ft. high with Equisetum-like branches. Colorado, &c. (Spath, Berlin.)

Epidendrum clæsianum, Hort. (*G. C.* 1893, v. xiii., p. 641.) Orchideæ.

Epidendrum Endresio-Wallisii. (*O. R.* v. i., p. 104.) G. A garden hybrid between the two species indicated in the name. (J. Veitch & Sons.)

Epidendrum forgeteanum, Hort. (*G. C.* 1893, v. xiii., p. 752.) S. "A pretty new Epidendrum with yellowish flowers, veined with dull rose." (F. Sander & Co.)

Epidendrum laucheanum, Rolfe. (*K. B.* 1893, p. 63.) S. A new species allied to *E. grandiflorum*, but with leaves and flowers only half the size; stems, 8 in. long, leafy; leaves narrow, 3 to 6 in. long; racemes terminal many-flowered, the whole of a brownish colour, lip green. New Granada. (F. Sander & Co.)

Epidendrum pumilum, Rolfe. (*K. B.* 1893, p. 171.) G. A new species allied to *E. Endresii*. Stems 5 in. long, with small oblong leaves, and short few flowered racemes of greenish yellow flowers. Costa Rica. (F. Sander & Co.)

Epidendrum tricolor, Rolfe. (*K. B* 1893, p. 63.) G. A new species allied to *E. purum*; stems 5 in. long; leaves 4 in. long; flowers small and numerous, light yellow, with a cucumber-like odour. Venezuela. (H. Low & Co.)

Epidendrum Umlaufti, Zahlbr. (*W. G.* 1893, p. 209, pl.) This is *E. costaricense*, Rchb. f.

Epidendrum wendlandianum, Kränzlin. (*G. C.* 1893, v. xiv., p. 58.) G. A new species allied to *E. tripunctatum*; it has creeping fleshy stems, linear leaves and flowers 2 in. across, the sepals and petals light green, and the lip snow-white, with purple lines on the side lobes. Mexico. (Herrenhausen B. G.)

***Eria albiflora,** Rolfe. (*K. B.* 1893, p. 171.) Orchideæ. S. A new species, near *E. articulata*, Lindl. It is small in all its parts with ovoid pseudobulbs and a short scape of small white flowers. S. India. (Kew.)

***Eucharis Lowii,** Baker. (*G. C.* 1893, v. xiii., pp. 455, 538, fig. 78.) Amaryllideæ. S. A supposed natural hybrid between *E. grandiflora* and *E. Sanderii*. It was imported, with the last-named species, from New Grenada. The flowers are pure white and as large as those of *E. grandiflora*. (H. Low & Co.)

***Eulophia Zeyheri,** Hook. f. (*B. M.* t. 7330.) Orchideæ. S. Previously described by Reichenbach as *E. bicolor*, a name already occupied. It has tuberous roots, bearing annual ensiform leaves 18 in. long and an erect scape over a foot long, bearing at the top six to ten handsome yellow flowers with purple-brown markings on the lip. South Africa. (H. J. Elwes.)

***Euphorbia Sipolisii,** N.E. Br. (*K. B.*, 1893, p. 158.) Euphorbiaceæ. S. A new species of the section *Euphorbium*, stems erect, branching, winged, leafless, ½ in. in diameter; flowers small in sessile cymes. Brazil. (Kew.)

***Exarrhena macrantha,** Hook f. (*B. M.* t. 7291. Borragineæ, H. H.. An erect robust herb with hairy stems and leaves, the latter lanceolate, 2 in. to 4 in. long; cymes terminal bifurcate, bearing yellow flowers ½ in. long. New Zealand. (Kew.)

*Fritillaria citrina, Baker (*Damm. Cat.* 1893, p. 4.) Liliaceæ. H. A. very pretty species with bell-shaped pendulous flowers, greenish outside and yellow within. Taurus. (Dammann & Co., Naples.)

*Fritillaria Whittallii, Baker. (*G. C.* 1893, v. xiii., p. 506.) H. A species closely resembling *F. Meleagris* in habit, leaf and flower; but it has an orbicular instead of a linear nectary. Taurus. (Whittall, Smyrna.)

*Fritillaria zagrica, Stapf. (*G. C.* 1893, v. xiii., p. 568.) H. A species very closely allied to *F. tulipifolia* and *F. armena*. Flowers dark lurid untesselated, purple glaucous outside. Kashand Mts., Persia. (Max Leichtlin, Baden.)

*Furcræa albispina, Baker. (*G. C.* 1893, v. xiv., p. 586.) Amaryllideæ. G. A dwarf species allied to *F. depauperata*, with leaves 18 in long 2 in. wide, with small whitish marginal prickles. Flowers greenish-white on an erect branched scape 6 ft. long. Central America. (Kew.)

*Galanthus byzantinus, Baker, (*G. C.* 1893, v. xiii., p. 226.) Amaryllideæ. H. This species is intermediate between *G. plicatus*, Bieb. and *G. Elwesii*, Hook f. It has glaucous leaves broadly channelled down the face with distinctly reflexed edges, as in the former, and inner perianth-segments marked with green, as in the latter. (J. Allen.)

Galanthus corcyrensis, Leichtl., var. præcox, (?) Arnott. (*J. of H.* 1893, v. xxvii., p. 549.) H. An early flowering form of the species with broader leaves. (S. Arnott.)

Galanthus Elwesii, Hk. f., var. robustus, Hort. (*G. C.* 1893, v. xiii., p. 226.) H. A very robust variety of the type, with a large bulb and thick glaucous leaf. Asia Minor. (Dammann & Co., Naples.)

Galanthus gracilis, Celak. (*G. C.* 1893, v. xiii., p. 656.) H. A closely allied species to *G. Elwesii*, being similar in height and having a large blotch at the base of the inner segments of the perianth. Bulgaria. (Herr Polaky.)

Galanthus grandiflorus, Baker. (*G. C.* 1893, v. xiii., p. 656.) H. A new species remarkable for its very robust habit. The leaves have a recurved edge and are very glaucous beneath. The flowers resemble those of the large forms of G. *nivalis*. (Mrs. Backhouse.)

*Galanthus Ikariæ, Baker. (*G. C.* 1893, v. xiii., p. 506.) H. A species with the bright green broad leaves of *G. Fosteri*, the quadrate lobes of the inner segments of the perianth with the crisped edges of *G. Elwesii*, and the single apical blotch upon the inner segments of *G. nivalis*. Linn. Nikaria. (Whittall, Smyrna.)

Galanthus maximus, Baker. (*G. C.* 1893, v. xiii., p. 354.) This name has now been sunk, and that of *G. grandiflorus* (which see) adopted.

Galanthus Perryi, Hort. (*G. C.* 1893, v. xiii. p. 258.) H. A species intermediate between *G. caucasicus* and *G. latifolius*. Caucasus. (T. Ware & Son.)

*Galeandra Claesii, Cogn. (*L.* t. 391.) Orchideæ. S. A new species allied to *G. villosa*. It has slender pseudobulbs about a foot long, blue-green leaves and drooping racemes 9 in. long, bearing six or eight flowers, each about 2 in. across, the sepals and petals brown and the lip rosy. Brazil. (L'Horticulture Internationale.)

Gladiolus Papilio × gandavensis. (*G. C.* 1893, v. xiii., p. 596.) Irideæ. H. H. A garden hybrid between the two plants indicated by the name. (Dammann & Co., Naples.)

*Gladiolus platyphyllus, Baker. (*G. C.* 1893, v. xiv., p. 456.) H. H. A new species, not unlike *G. dracocephalus* in general characters, but with broader, shorter opposite leaves, and a tall spike of deep yellow flowers veined with red. Natal. (Kew; Max Leichtlin.)

Gladiolus Victorialis, Sprenger. (*G. C.* 1893, v. xiii., p. 596.) H. H. A garden hybrid between *G. communis* and *G. cardinalis* or *G. Colvillii*. Dammann & Co., Naples.)

Gongora Charlesworthii, Rolfe. (*O. R.* v. i., p. 198.) Orchideæ. S. A new species with the habit of *G. truncata*; leaves plicate, a foot long, 2½ in. broad; scape arching 1½ ft. long, bearing about 20 flowers; which are 2 in. wide, nearly white, barred with a very light brownish purple. Habitat not recorded. (Charlesworth, Shuttleworth & Co.)

Graderia subintegra, M. T. Mast. (*G. C.* 1893, v. xiv., p. 798, fig 122.) Scrophularineæ. G. A new species with a woody rootstock, trailing branches, ovate acute hairy leaves, and erect racemes of Gloxinia-like rosy lilac flowers. Probably semi-parasitic. S. Africa. (Seeds offered by W. Nelson, Johannesburg.)

***Grammatophyllum sanderianum,** Hort. (*G. C.* 1893, v. xiv., p. 15.) Orchideæ, S. A clerical blunder, the plant intended being *G. speciosum.*

****Habenaria cinnabarina,** Rolfe. (*K. B.* 1893, p. 173.) Orchideæ. S. A new species of dwarf habit, with erect linear leaves 6 in. long, and an erect spike 6 in long, bearing a dense cluster of small orange-red flowers. Madagascar. (W. L. Lewis & Co.)

***Habenaria gigantea,** Hook., var. **sumatrana,** (*G. & F.* 1893, v. vi., p. 336.) S. *H. gigantea* (see *Bot. Mag.* t. 3,374.) is a synonym of *H. Susannæ,* Br. The variety is described as having large white flowers on erect scapes, with a large three lobed labellum. Sumatra. (F. Sander & Co.)

***Hapaline Brownii,** Hook. f. (*B. M.* t. 7,325.) Aroideæ. S. A new species with the habit of a *Spathicarpa,* from which it differs mainly in having the spadix free from the spathe; it has green cordate leaves and a greenish white inflorescence. Malayan Peninsula. (Kew.)

Hedera Helix, L. var. **tessellata.** (*Gard.* 1893, v. 44, p. 150.) Araliaceæ. "A distinctly marked form of the "common ivy, with veinings after the "manner of the variegated Japanese "honeysuckle." (Miss Browning.)

Hedraeanthus niveus, G. Beck. (*W. G.* 1893, p. 288, f. 63.) Campanulaceæ, H. A dwarf plant with grassy leaves, stem and bracts purple, calyx reddish, corolla snow-white. Alps of Bosnia.

Heliconia illustris, M. T. M. (*G. C.* 1893, v. xiii., p. 413.) Museæ. S. A beautiful foliage plant with Musa-like habit, the leaves coloured rose-red with the veins clearly marked in rose pink. South Sea Islands. (W. Bull.) [Heliconia is wild only in America: *H. Bihai* is naturalised in Polynesia and Tropical Asia. Probably H. illustris is some form of this.]

Heuchera rosea, Zabel. (*M. G. Z.* 1893, p. 2.) Saxifrageæ. H. A garden hybrid between *H. pilosissima,* F. & M., and *H. sanguinea,* Engelm. (Zabel, Munden.)

Hibiscus crassinervis, F. var. **flammea,** Schwfth. (*Gfl.* 1893, p. 494.) Malvaceæ. G. A dwarf showy annual (perennial when grown under glass) with small heartshaped glandular leaves and long-stalked fiery red flowers. Abyssina. (Dammann & Co., Naples.)

Hibiscus Lebelei, Naudin. (*R. H.* 1893, p. 449.) H. H. An unbranched species 3 ft. to 4½ ft. high, with palmate, digitate leaves and large flowers, lemon yellow with red brown blotches at the base of the corolla. China. (Naudin, Antibes.)

Hoplophytum lineatum, Hort. (*G. C.* 1893, v. xiii., p. 412.) Bromeliaceæ. S. A striking plant with cylindrical tufts of leaves coloured green with stripes of white, the marginal spines black. Brazil. (W. Bull.) [Until the plant flowers the genus is uncertain.]

***Huernia Sprengeri,** Hort. (*W. G.* 1893, p. 143, f. 30.) Asclepiadeæ. S. A species with gold bronze, star-shaped, white-centred flowers. Abyssinia. (Dammann & Co., Naples.)

***Hymenocallis concinna,** Baker. (*G. C.* 1893, v. xiv., p. 150.) Amaryllideæ. S. A new species resembling *H. caribæa,* but evergreen and smaller in all its parts; leaves an inch wide, flowers white. Said to be quite hardy in Naples. Mexico. (Dammann & Co., Naples.)

Hypolytrum schraderianum, Nees. (*G. C.* 1893, v. xiii., p. 414.) Cyperaceæ. S. A stout grass-like plant with tufted leaves 2½ ft. long and 2 in. wide, entire, green with purple margins. Brazil. (W. Bull.)

***Ilex conocarpa,** Reiss. (*B. M.* t. 7310.) Ilicineæ. G. A shrub about 6 ft. high with lanceolate serrulate leaves 4 in. long, and short axillary racemes of small white flowers. Interesting as being one of the plants which yield "Mate" or Paraguay tea. Brazil. (Kew.)

***Impatiens auricoma,** Baill. (*Jard.* 1893, p. 52.) Geraniaceæ. S. Plant glabrous about 2 ft. high with a fleshy stem and opposite lanceolate leaves, the stalks of which bear stalked glands on their upper portions. Flowers bright yellow with a short bifid curved spur. Comoro Islands. (Landry, France.)

***Incarvillea Delavayi,** Franch. (*R. H.* 1893, p. 544; *Jard.* 1893, p. 58, f. 20.) Bignoniaceæ. H. H. A nearly stemless almost hardy herbaceous plant with pinnatipartite leaves and raceme of red or deep rose-coloured flowers. China. (Vilmorin, Paris.)

Iris Athoa, Foster. (*G. C.* 1893, v. xiii., p. 711.) Irideæ. H. A more robust sp. than *I. subbiflora,* to which it comes very near. Flowers, brownish-red-purple in colour. Mt. Athoa. (M. Foster.)

*Iris atrofusca, Baker (*G. C.*, 1893, v. xiii., p. 384.) H. A distinct species, tall as *Iris susiana*, but the outer segments of the perianth are much shorter and a concolorous brown-black. Palestine. (Herb and Wulle, Naples.)

Iris caroliniana, Wats. (*G. and F.*, 1893, v. vi., p. 334, f. 51.) A species nearly allied to *I. versicolor*. N.Carolina. (Manda.)

Iris germanica, L., var. gypsea, Rodigas. (*Ill. H.* 1893, t. 182.) H. A form with pale pearly-white flowers. (L'Horticulture Internationale.)

*Iris Grant-Duffii, Baker. (Damm. Cat. 1893, p. 5.) H. A species closely allied to *I. sibirica* and *I. tenax*, with yellow and yellowish-white flowers, veined violet. Palestine. (Dammann & Co., Naples.)

Iris Haynei, Baker. (Damm. Cat. 1893, p. 5.) H. An Oncocyclus species with upright glaucous leaves, and large elegant flowers of a dark grey colour, dotted black. Palestine. (Dammann & Co., Naples.)

*Iris Mariæ, Barb. (I. Helenæ, Bak.) (*G. M.* 1893, p. 242.) A dwarf elegant species with falls of a claret colour, and having a black crimson blotch in the centre of base. Standards lilac with darker veins. Palestine. (T. Ware & Son.)

*Iris Sari, Schott, var. nazarene, Foster. (*G. M.* No. 2059, p. 211.) A beautiful Iris of the Oncocyclus group, in general appearance near *I. Lortetii*. The falls are heavily marked with rows of brown-purple spots on a straw coloured ground and have a large maroon blotch in the centre, standards creamy white with blue veins. Palestine. (T. Ware & Son.)

Kalanchoe grandiflora, Hort. Dammann & Co. is *K. marmorata*, which see in *Kew Bulletin*, App. II. 1893, p. 38.

*Kniphofia citrina, Baker. *G. C.* 1893, v. xiv., p. 552.) Liliaceæ H. H. A new species with leaves and peduncle like *K. Macowani*, but with shorter pale yellow flowers and exserted stamens. It is hardy and flowers in October. S. Africa. (Max Leichtlin, Baden.)

Kniphofia longicollis, Leitchlin. (*G. C.* 1893, v. xiii, p. 683.) H. H. A new species, dwarfer than *K. aloides*, with bright green ensiform leaves, short racemes, and large clear yellow flowers produced in May. Natal. (Max Leitchlin, Baden.)

*Kniphofia modesta, Baker. (*B. M.* t. 7293.) H. H. Described in 1889 from plants cultivated at Kew, but not included in the list of new plants for that year. It is distinct in having linear pale green smooth edged leaves 2 ft. or more long, and a slender erect panicle 2 ft. high of white flowers $\frac{1}{3}$ in. long. Natal and Griqualand. (Kew.)

*Kniphofia pauciflora × Macowani. (*G. C.* 1893, v. xiv., p. 424.) H. H. A garden hybrid between the two species indicated by the name. (Kew.)

Kniphofia Tuckii, Hort. Leichtlin. (*G. C.* 1893, v. xiii., p. 68.) A species resembling *K. pumila*, but differing in its shorter, broader, green leaves, the perianth tube widening from base to throat, and less exserted stamens. Colesberg. (Max Leichtlin, Baden.)

Lachenalia aurea, Lindl. var. gigantea, Hort. (*G. C.* 1893, v. xiii., pp. 290, 361.) Liliaceæ. G. Differs from the type in having taller and stouter flower scapes. A plant at Kew in December bore spikes 19 inches high with 27 open flowers.

Lælia Euterpe. (*G. C.* 1893, v. xiv., p. 536.). Orchideæ. S. A garden hybrid between *L. crispa* and *L. dayana*. (T. Statter.)

Lælia finckeniana, O'Brien. (*G. C.* 1893, v. xiii., p. 194; xiv., p. 806, fig. 123.) S. A supposed natural hybrid between *L. autumnalis* and *L. anceps*, but probably only a variety of the latter species. (C. W. Fincken).

*Lælia lucasiana, Rolfe. (*O. R.*, v. i., p. 265.) S. A new species, allied to *L. crispilabia*, from which it differs in having a yellow lip; the other parts of the flower being purplish-mauve. Habitat not recorded. (C. J. Lucas.)

Lælia Maynardii. (*G. C.* 1893, v. xiii., pp. 206, 715, fig. 108.) S. A garden hybrid between *L. pumila*, var *dayana* and *L. dolosa*. (F. Sander & Co.)

Lælia Normanni. (*G. C* 1893, v. xiii., p. 98.) S. A garden hybrid between *L. pumila*, var. *marginata* and *Cattleya dowiana*. (N. C. Cookson.)

Lælia Novelty. (*G. M.* 1893, p. 500, fig.) S. A garden hybrid between *L. elegans* and *L. pumila* var. *dayana*. (J. Veitch & Sons.)

Lælia Oweniæ, L. Lind. (*L.* t. 374.) S. A supposed natural hybrid between *L. Perrinii* and *L. elegans*. (G. D. Owen.)

Lælia purpurata, Lindl., var. **discolor,** Rolfe. (*O. R.*, v. i., p. 199.) S. A variety with bluish-white sepals and purple-veined petals. (W. Brown.)

Lælia purpurata, Ldl. var. **fastuosa,** Hort. (*L.* t. 385.) S. A large-flowered variety with rose-purple sepals and petals and a deep maroon lip. (L'Horticulture Internationale.)

Lælia purpurata, Ldl., var. **nobilis,** Hort. (*G. C.* 1893, v. xiii. p. 641.) S. A variety with richly-marked flowers. (F. Sander & Co.)

Lælia purpurata, Ldl., var. **purpurea,** Hort. (*G. C.* 1893, v. xiii., p. 641.) S. A variety with darker-coloured flowers than usual. (J. Cypher & Son.)

Lælia Sanderæ. (*G. C.* 1893, v. xiv., p. 406.) S. A garden hybrid between *L. xanthina* and *L. dormaniana.* (F. Sander & Co.)

Lælio vitellina, O'Brien. (*G. C.* 1893, v. xiii., pp. 336, 365, fig. 53.) G. A supposed hybrid between *L. harpophylla* and *L. Perrinii* (Baron Schrœder.)

Lælio-Cattleya albanensis, Rolfe. (*G. C.* 1893, v. xiv., p. 584.) S. A supposed natural hybrid between *Cattleya Warneri,* and *Lælia grandis.* It has pseudobulbs like those of the Cattleya but longer, and flowers 5 in. across, coloured as in the Cattleya, with wavy petals. Bahia. (F. Sander & Co.)

Lælio-Cattleya amæna, var. **delicata.** (*L.*, t. 367.) S. A garden hybrid between *Cattleya Loddigesii* and *Lælia Perrinii.* (A. Bleu, Paris.)

Lælio-Cattleya Ascania. (*G. C.* 1893, v. xiii., p. 518; *J. of H.* v. xxvi., p. 351, fig. 65.) S. A garden hybrid between *Cattleya Trianæ* and *Lælia xanthina.* (J. Veitch & Sons.)

Lælio-Cattleya Epicasta. (*G. C.* 1893, v. xiv., p. 342.) S. A garden hybrid between *Lælia pumila* and *Cattleya Warscewiczii.* (J. Veitch & Sons.)

Lælio-Cattleya Eumæa. *G. C.* 1893, v. xiv., p. 536.) S. A garden hybrid between *Lælia majalis* and *Cattleya labiata* var. *Trianæ.* (J. Veitch & Sons.)

Lælio-Cattleya Nysa. (*G. C.* 1893, v. xiv., p. 343; *O. R.* v. i., p. 307.) S. A garden hybrid between *Cattleya Warscewiczii* and *Lælia crispa.* (J. Veitch & Sons.)

Lælio-Cattleya Pisandra. (*G. C.* 1893, v. xiv., p. 536; *J. of H.* v. xxvii., p. 407, fig. 60.) S. A garden hybrid between *Lælia crispa* and *Cattleya labiata* var. *Eldorado.* (J. Veitch & Sons.)

Lælio-Cattleya ridolfiana. (*B. T. O.* 1893, p. 72, t. 3.) A garden hybrid between *Lælia purpurata* var. *aurora* and *Cattleya Mossiæ,* var. *picta.* (Pucci, Italy.)

Lælio-Cattleya Sanderæ. (*O. R.* v. i., p. 363.) S. A garden hybrid between *Lælia xanthina* and *Cattleya dormaniana.* (F. Sander & Co.)

Lælio-Cattleya statteriana. (*G. C.* 1893, v. xiv., p. 631; *J. of H.* v. xxvii. p. 463, fig. 67.) S. A garden hybrid between *Lælia Perrinii* and *Cattleya labiata.* (J. Veitch & Sons.)

Lamprococcus speciosus, Hort. (*G. C.* 1893, v. xiii., p. 414.) Bromeliaceæ. S. An ornamental leaved plant, the leaves tufted, leathery finely toothed, bright green, with broad longitudinal stripes of yellow. Brazil. (W. Bull.) [Until this plant flowers the genus is uncertain.]

Lathyrus splendens, Kellogg. (*G. C.* 1893, v. xiii., p. 258.) Leguminosæ. H. A species with large pea-shaped flowers of great beauty. The foliage is very variable and the flowers are scarlet-purple in colour. Lower California.

***Leptactinia Mannii,** Hook, f. (*G. & F.* 1893, v. vi., p. 424.) Rubiaceæ. S. A shrub with Randia-like habit and large white fragrant flowers in terminal clusters. W. Trop. Africa. (Kew.)

Lilium croceo-elegans, (*G. C.* 1893 v. xiv., p. 8.) Liliaceæ. H. A hybrid between *L. croceum* and *L. elegans.* (Dammann & Co., Naples.)

***Lilium dalhansoni.** (*Gard.* 1893, v. 44, p. 260.) H. A hybrid between *L. Martagon* var. *dalmaticum,* and *L. Hansoni.* (Powell, Tunbridge Wells.)

***Lilium japonicum,** Thunb. var. **Alexandræ,** Baker. (*G. C.* 1893, v. xiv., pp. 86, 243, fig. 44.) H. A variety which differs from the type in its broader leaves, more open flowers, which are pure white, and longer style. Syns. *L. Ukeyuri, L. Alexandræ,* Hort. Japan. (J. Veitch & Sons, Wallace & Sons.)

Lilium Martagon, L. var. **villosum,** Perona. (*B. T. O.* 1893, p. 70.) A form differing from the type by its larger leaves, deeper coloured flowers, and by the long white hairs which clothe the unopened buds. The flowers are produced about a fortnight after those of the type. N. Italy.

Lobelia Gerardi, Sauv. (*R. H.* 1893, p. 519.) Campanulaceæ. H. A garden hybrid between *L. cardinalis,* and *L. syphilitica.*

***Lonicera hildebrandiana,** Collett and Hemsl. (*G. C.* 1893, v. xiv., p. 743.) Caprifoliaceæ. G. This is the largest flowered of all Honeysuckles. It was discovered in Upper Burma by General Collett five years ago, who described it as "A conspicuous shrub, with large "dark glossy leaves and fine crimson "flowers, 7 ins. long." (Kew.)

Lonicera mündeniensis. (*Gfl.* 1893, p. 102, fig. 18, 4–6.) H. A garden hybrid between *L. bella* and *L. gibbiflora*. A bush with arching branches and erect softly hairy twigs. Fl. white or yellowish white, fruit ovoid, red. (Munden Forest School.)

Lonicera muscaviensis. (*Gfl.* 1893, p. 100, fig. 18, 1–3.) H. A hybrid between *L. Morrowii* and *L. ruprechtiana*. Intermediate in character between the two parents; flowers white, fruit red. (Muskau, Germany.)

Lonicera Zabelii. (*Gfl.* 1893, p. 101, fig. 19, 1–3.) H. A garden hybrid between *L. floribunda* and *L. tatarica*. A bushy shrub with shortly stalked, egg-shaped leaves and bright dark rose-coloured flowers. Fruit small, round, coral-red. (Munden Forest School.)

***Ludovia crenifolia,** Drude. (*G. C.* 1893, v. xiii., p. 442, fig. 64.) Cyclanthaceæ. S. A large plant of tufted habit, the leaves sheathing at the base and set in two ranks, thick, leathery plicate, lanceolate above, narrowed to a stalk-like base. Brazil. (F. Sander & Co.)

Luffa Forskalii, Hort. (*B. T. O.* 1893, p. 12, fig. 1.) Cucurbitaceæ. S. A pretty climber with sulphur-yellow flowers, small ovoid ribbed fruits and black seeds. Arabia, &c. (Dammann & Co., Naples.)

***Luisia amesiana,** Rolfe. (*G. C.* 1893, v. xiii, p. 751, xiv., p. 32, fig. 8, also p. 218.) Orchideæ. S. A new species with terete leaves and clusters of flowers. Sepals and petals ovate, greenish yellow; lip large, lobed, spotted with dull red. First introduced by Messrs. H. Low & Co. in 1890, but name not published. Burma. (Sir T. Lawrence.)

Luisia Volucris, Lindl. (*G. C.* 1893, v. xiii., p. 751; xiv., p. 32, fig. 9.) S. Leaves terete, flowers solitary in the axils, with linear oblong yellow sepals and petals, the petals horn-like, the lip fleshy, brown-purple, pressed close to the stem. (Sir T. Lawrence.)

Lycaste cinnabarina. Rolfe. (*O. R.* v. i., p. 303; *L.*, t. 394.) Orchideæ. G. A new species allied to *L. mesochlæna*. It has large, broad leaves and erect single-flowered scapes, each flower being 4 in. across, the sepals and petals white with a tinge of green, and the lips apricot-red. Peru. (L'Horticulture Internationale.)

Lycaste imschootiana, Hort. Linden. (*G. C.* 1893, v. xiv., pp. 756, 775, fig. 119.) G. A new species with the habit of *L. Skinneri*, and large flowers in which the sepals are pale brown with small purple spots, the petals and lip yellow with red dots. Subsequently it was stated that this is the result of crossing *L. Skinneri* with *Maxillaria nigrescens*. (L'Horticulture Internationale.)

Lycaste Luciani, Hort. Linden. (*G. C.* 1893, v. xiv., p. 756.) G. A new species allied to *L. lasioglossa*; the sepals pale brown with pink spots, the petals white with rosy dots, the lip pink and white. (L'Horticulture Internationale.)

***Lycaste macrobulbon,** Lindl. var. **Youngii,** Rolfe. (*L.* t. 368.) G. This plant has been in cultivation for some years under the name of *L. Youngii*. It is probably nothing more than Lindley's *L. macrobulbon*, of which a figure was published in *Bot. Mag.* t. 4228 as *Maxillaria macrobulbon*.

Lycaste rossiana, Rolfe. (*O. R.* vi., p. 239.) G. A new species allied to *L. cruenta*, but with smaller flowers and a differently formed lip. The sepals are oblong acute, greenish yellow; the petals are broader, deep orange yellow with a few brown spots near the base, and the lip is three-lobed, yellow, faintly barred with brown. Habitat not recorded. (H. J. Ross, Florence.)

Lycaste schœnbrunnensis. (*O. R.* v. i., p. 51; *W. G.* 1893, p. 287, pl.) A garden hybrid between *L. Skinneri* and probably *L. schilleriana*. (Emperor of Austria.)

Lycaste Skinneri, Lindl. var. **purpurea,** Hort. (*L.*, t. 379.) G. A variety with pale rose sepals, rose-purple petals and a white lip slightly tinged with yellow. (L'Horticulture Internationale.)

Magnolia stricta, Hort. (*Gard.* 1893, v. 44, p. 391.) Magnoliaceæ. H. "A "cross between *M. soulangeana* and "*M. obovata*." (John Saul, United States.)

Malva hastata. Hort. (*B. T. O.* 1893, p. 108, f. 15.) Malvaceæ. H. A branched annual with large long-stalked rose-violet flowers. Mexico. (Dammann & Co., Naples.)

***Maranta Leonæ,** Hort. (*G. C.* 1893, v. xiii. p. 751.) Marantaceæ. S. A low growing plant with ovate leaves, the blade 6 in. long and the petiole about the same length, both covered with soft silky hair, and coloured green with grey variegation. (F. Sander & Co.)

Masdevallia burbidgeana, Rolfe. (*O. R.* v. i., p. 265.) Orchideæ. G. A new species of the Saccolabiatæ. Leaves 5 in. long, tufted; flower tube less than half an inch across; sepals an inch long, lateral united half way, greenish yellow with brown spots and yellow hairs, lip yellowish. New Grenada. (Glasnevin.)

Masdevallia Chimæra, Rchb. f. var. **vanneriana.** (*O. R.* v. i., p. 206.) G. A variety of garden origin, the result of crossing *M. Chimæra* var. *Wallisii* with *M. Chimæra* var. *Roezlii.* (W. Vanner.)

Masdevallia fragrans, Woolward. (*G. C.* 1893, v. xiv., p. 160.) G. A new species with leaves like *M. elephanticeps*, and cupped yellowish flowers with short fleshy sepals, much like those of M. pachyantha in shape. New Grenada. (Lord Lothian.)

Masdevallia harryana, Vars. (*L.* t. 382.) G. Five named varieties are figured and described here; the varietal names are *Kegeljani, lilacina, carnea, reginæ,* and *illustris.* (L'Horticulture Internationale.)

Masdevallia Henriëtta. (*G. C.* 1893, v. xiii., p. 740.) G. A garden hybrid between *M. Shuttleworthii* and *M. ignea.* (F. L. Ames, New York.)

Masdevallia Parksii. (*G. C.* 1893, v. xiii., p. 636.) G. A garden hybrid between *M. harryana* and *M. ignea.* (Heath & Son.)

Masdevallia Pourbaixii, Hort. (*L.* t. 387.) G. A garden hybrid between *M. veitchiana* and *M. Shuttleworthii.* (E. Pourbaix, Mons.)

Masdevallia pusilla, Rolfe. (K. B. 1893, p. 335.) G. A new species near *M. Troglodytes.* Leaves lanceolate, 6 in. long; scape 4 in. long, flexuous, flowers the smallest in the group, yellowish, with purple-brown blotches. Habitat not recorded. (Glasnevin.)

Masdevallia Rebecca. (*G. C.* 1893, v. xiii., p. 740.) G. A garden hybrid between *M. ignea* and *M. amabilis.* (F. L. Ames, New York.)

Masdevallia Rushtoni. (*O. R.* v. i., p. 210.) G. A garden hybrid between *M. ignea,* var. *Eckhardii,* and *M. racemosa,* var. *Crossii.* (Captain Hincks.)

Masdevallia veitchiano-Estradæ. (*G. C.* 1893, v. xiii., p. 724, O. R. v. 1, p. 211.) G. A garden hybrid between the two species indicated by the name. (Capt. Hincks,)

Maxillaria sanderiana, Rchb. f. var. **xanthoglossa,** Hort. (*J. of H.* 1893, v. xxvi., p. 494, fig. 89.) Orchideæ. S. A variety with an exceptional number of crimson spots on the segments and a yellowish lip. (F. Sander & Co.)

Maxillaria striata, Rolfe. (*O. R.* v. i., p. 266., *L.* t. 398.) G. A new species with the habit of *M. venusta,* and large flowers 5 in. across, the sepals and petals greenish yellow with brown purple stripes, and the lip white with amethyst purple vein-like lines. Peru. (L'Horticulture Internationale.)

***Megaclinium minutum,** Rolfe. (*B. M.* t. 7314; *K.B.* 1893, p. 5.) Orchideæ. S. A diminutive species with a creeping rhizome, small ovate pseudobulbs bearing each a pair of small leaves; scape short, flattened, purple, with two rows of small orange-red flowers. Sierra Leone. (Kew.)

***Melothria abissinica,** Naudin. (*B. T. O.* 1893, p. 13, fig. 2.) Cucurbitaceæ. G. or S. A perennial climber with very small yellowish flowers, followed by small round orange-coloured fruits, produced in great profusion in autumn. Abyssinia. (Dammann & Co., Naples.)

Miltonia joiceyana, O'Brien. (*G. C.* 1893, v. xiv., p. 206.) Orchideæ. S. Supposed to be a natural hybrid between *M. Clowesii* and *M. candida.* It has flowers 3 in. across coloured yellow, with brown blotches. Brazil. (Major Joicey.)

***Momordica chinensis,** Hort. (*B. T. O.* 1893, p. 14, fig. 4.) Cucurbitaceæ. S. Similar to *M. Charantia,* but differing from that species in its much larger, longer fruits of a silvery colour. China. (Dammann & Co., Naples.)

Momordica muricata, Hort. (*B. T. O.* 1893, p. 14.) S. A vigorous annual climber with pale yellow flowers, and golden or orange-yellow fruit with blood-red pulp and white seeds. Peru. (Dammann & Co., Naples.)

Mormodes igneum, Lindl. var. **maculatum,** Rolfe. (*L.*, t. 364.) Orchideæ. S. A variety with yellowish brown sepals and petals spotted with purple

brown, and a coppery red labellum. (L'Horticulture Internationale.)

***Musa Hillii,** F. v. M. (*G. C.* 1893, v. xiv., p. 743.) Museæ. S. An Australian species of the *M. sapientum* group. It has a stout stem, large leaves, and an erect peduncle bearing whorls of white flowers, succeeded by small ovoid fruits. Queensland. (Kew.)

***Musa Mannii,** Wendl. (*B. M.* t. 7311.) S. A dwarf species, the stems not exceeding 4 ft. in height, with elegant leaves 3 ft. long by 7 in. broad, and an erect spadix bearing several conspicuous boat-shaped bracts of a rose-crimson colour. The flowers are in threes and yellow, and the fruit small, angular, and green. Assam. (Kew.)

Narcissi Hybrids. (*G. C.* 1893, v. xiii., p. 385.) Amaryllideæ. A number, of which the probable parents are given, are here described.

Narcissus intermedius. (Damm. Cat. 1893, p. 5.) H. A garden hybrid between *N. Jonquilla* and *N. Tazetta*, (Dammann & Co., Naples.)

Neodryas sacciana, Lind. et Cogn. (*J. O.* 1893, p. 73.) Orchideæ. G. A new species with the habit of a small Oncidium, and small flowers coloured dull purple with a yellow lip. The genus is closely allied to Mesospinidium. Bolivia. (L'Horticulture Internationale.)

Nepenthes amesiana. (*G. C.* 1893, v. xiv., p. 756.) Nepenthaceæ. S. A garden hybrid between *N. rafflesiana* and *N. hookeriana*. (J. Veitch & Sons.)

Nepenthes mixta. (*G. C.* 1893, v. xiii., p. 46, fig. 9.) S. A garden hybrid between *N. northiana* and *N. Curtisi*. (J. Veitch & Sons.)

***Nerine elegans** var. **alba,** Hort. (*J. of H.* 1893, v. xxvii., p. 349, fig. 51.) Amaryllideæ. G. A distinct plant with an erect scape bearing an umbel of nearly a dozen pure white flowers. Said to be an introduction from S. Africa, and therefore not likely to be a form of *N. elegans*, which is a hybrid of garden origin. It comes near *N. Moorei*. (T. Ware.)

Nerine mutabilis. (*G. C.* 1893, v. xiii., p. 130.) G. A garden hybrid between *N. humilis* and *N. pulchella*. (R. A. Todd.)

***Nicotiana colossea,** André, var. **variegata.** (*R. H.* 1893, p. 9.) Solanaceæ. G. A variegated form of the plant described, *B. M.* t. 7252, as *N. tomentosa*. (Sallier, Paris.)

Nidularium digeneum. (*W. G.* April 1893.) Bromeliaceæ. A garden hybrid between *N. Innocenti* and *Bromelia nitens*. (Hübsch, Bavaria.)

Nothochlæna mollis, Hort. (*G. C.* 1892, v. xiii., p. 638.) Filices. G. "Fronds light green, silvery powdered "beneath; habit dense, compressed, as "are the divisions of the fronds." (W. & J. Birkenhead.)

Nymphæa Laydekeri fulgens. (*Gard.* 1893, v. xliv., p. 297.) Nymphæaceæ. H.? A seedling variety, said to be of hybrid origin and hardy. Flowers 3½ in. in diameter, petals dark crimson. (Latour-Marliac, France.)

Nymphæa Laydekeri liliacea. (*Gard.* 1893, v. xliv., p. 297.) A seedling variety, said to be of hybrid origin and hardy. Flowers 2½ in. in diameter, petals rose-coloured. (Latour-Marliac, France.)

Nymphæa marliacea ignea. (*Gard.* 1893, v. xliv, p 297.) A seedling variety, said to be of hybrid origin and hardy. Flowers nearly 5 in. in diameter, petals bright rosy crimson. (Latour-Marliac, France.)

Nymphæa marliacea rubra punctata. (*Gard.* 1893, v. xliv., p. 297.) A seedling variety, said to be of hybrid origin and hardy. Flowers 4 in. in diameter, petals deep rose purple and marbled. (Latour-Marliac, France.)

Nymphæa Robinsoni. (*Gard.* 1893, v. xliv., p. 297.) A seedling variety, said to be of hybrid origin and hardy. Flowers 4 in in diameter, petals broad, coloured soft terra-cotta rose shaded with yellow. (Latour-Marliac, France.)

***Nymphæa Trickeri.** (*G. and F.*, 1893, v. vi, p. 464.) S. A garden hybrid between *N. dentata* and *N. Sturtevantii*. (J. N. Gerard, New Jersey.)

Odontoglossum baphicanthum, Rchb. f. var **immaculatum,** Rolfe. (*O.R.*, v. i., p. 199.) Orchideæ G. A variety with primrose-yellow flowers without any spots. (F. Sander & Co.)

Odontoglossum blandum, Rchb. f. var. **albo-cupreum,** O'Brien. (*G. C.* 1893, v. xiii., p. 355.) G. A variety with primrose coloured flower segments banded instead of spotted with red-brown. (C. Vuylsteke, Ghent.)

Odontoglossum crispum, Lindl. var. **amplissimum,** Hort. (*G. C.* 1893, v. xiv., p. 756.) G. A variety with large broad pure white segments, and a yellow blotch on the lip. (L'Horticulture Internationale.)

Odontoglossum crispum, Lindl. var. **ferrierense,** Hort. (*L.* t. 381.) G. A variety with large flowers, the segments of which bear each a large red-purple blotch on a rose-tinted ground. (L'Horticulture Internationale.)

Odontoglossum crispum, Lindl. var. **owenianum,** Hort. (*G. C.* 1893, v. xiii., p. 636.) G. A variety with large flowers heavily spotted with dark yellow on a white ground. (F. Sander & Co.)

Odontoglossum crispum, Lindl. var. **Thompsoniæ,** Hort. (*G. C.* 1893, v. xiv., p. 756.) G. A variety with large full flowers, pure white with blotches of rich brown red on the petals. (L'Horticulture Internationale.)

Odontoglossum Insleayi, Barker var. **imschootianum,** Hort. (*L.* t. 359.) G. A variety with flowers of a yellowish hue as in the variety called *aureum.* (L'Horticulture Internationale.)

***Odontoglossum Krameri,** Rchb. f. var. **album,** Rolfe. (*O. R.* v. i., p. 200.) G. A variety without any rose purple colour in the flowers. (Kew.)

Odontoglossum Kränzlinii, O'Brien. (*G. C.* 1893, v. xiii., p. 442.) G. A new species similar to *O. elegans,* with flowers 2 in. across coloured pale yellow with brown blotches, and a lanceolate labellum which is white with a velvety brown blotch in front, and a few purple spots at the sides. Columbia. (F. Sander & Co.)

Odontoglossum lanceans var. **gravesianum,** O'Brien. (*G. C.* 1893, v. xiii., p. 322.) G. A variety with creamy white sepals and petals spotted with red-purple. (F. Sander & Co.)

Odontoglossum luteopurpureum, Lindl., var. **cobbianum,** Hort. (*O. R.* v. i., p. 34.) G. A variety with sepals and petals coloured almost wholly deep chestnut, the latter marked with a broad greenish yellow band. (W. Cobb.)

Odontoglossum mulus, Rchb. f. var. **statterianum,** Hort. (*G. C.* 1893, v. xiii., p. 636.) G. A variety with exceptionally large and richly marked flowers. (T. Statter.)

Odontoglossum Pescatorei, Lind. var. **Lewisii,** Hort. (*O. R.* v. i., p. 135.) G. A variety with medium sized flowers, white, unspotted, suffused with purple, the lip marked with a large blotch of violet-purple. (W. L. Lewis & Co.)

Odontoglossum ramosissimum, Lindl. var. **coeleste,** Lind. et Rod. (*Ill. H.* 1893, tab. 170.) G. This variety differs from the type in the flowers being tinted with mauve instead of being spotted with that colour on a white ground. (L'Horticulture Internationale.)

Odontoglossum roebelinianum, Hort. (*G. C.* 1893, v. iii., p. 518.) G. A supposed natural hybrid. (F. Sander & Co.)

Odontoglossum ruckerianum, Rchb. f. var. **splendens,** O'Brien. (*G. C.* 1893, v. xiii., p. 385.) G. A large flowered richly marked variety of what is a supposed natural hybrid. (Sir T. Lawrence.)

Odontoglossum thompsonianum, Garnier. (*L.* t. 388.) G. A form of *O. luteopurpureum* with broad segments, the blotches large and deep chocolate in colour, the lip being white with a blot of orange yellow. (L'Horticulture Internationale.)

Odontoglossum Uroskinneri, Lindl., var. **album,** Hort. (*G. C.* 1893, v. xiv., p. 470; *O. R.* v. i., p. 334.) G. A variety with a pure white lip. (Major-Gen. Berkeley.)

Odontoglossum wilckeanum Rchb. f. var. **elegans,** Rolfe. (*O. R.* v. i., p. 135.) G. A variety with yellow sepals blotched with brown, primrose coloured petals and lip with a few small chestnut spots. (Austen & McAslan.)

Oncidium luteum, Rolfe. (*K. B.* 1893, p. 172.) Orchideæ. G. A new species allied to *O. chrysopyramis,* pseudobulbs ovate, over an inch long; leaves 4 in. long; panicle 18 in. long; flowers numerous, small, light yellow. Habitat not recorded. (Sir T. Lawrence.)

***Oncidium sanderianum,** Rolfe. (*K. B.* 1893, p. 337; *G. and F.*, v. vi., pp. 336, 515.). G. A new species, allied to *O. serratum* It is described as free flowering with thickly branched scapes of large "rosy red" blossoms. They also have been described as chocolate-brown. Peru. (F. Sander & Co.)

Oncidium unicolor, Rolfe. (*O. R.*, v. i., p. 266.) G. A new species allied to *O. uniflorum,* but of more robust habit with larger flowers, which are of a uniform yellow colour. Brazil. (W. Bull.)

Oncidium zonatum, Cogn. (*J. O.* 1893, p. 76.) G. A new species allied to *O. bryolophotum.* It has heteromorphous flowers, the sepals white, the petals yellow with transverse brown bands. Columbia. (L'Horticulture Internationale.)

***Ornithogalum natalense,** Baker. (*G. M.* 1893, p. 557.) Liliaceæ. This species is very closely allied to *O. hispidum*, and is found at an altitude of 6,800 ft. Natal. (Kew.)

***Osteomeles anthyllidifolia,** Lindl. (*Lemoine Cat.* 1893; *G. C.* 1893, v. xiv. pp. 628, 743.) Rosaceæ. H. A shrub with twiggy branches, pinnate leaves and corymbs of white fragrant hawthorn-like flowers. It forms extensive thickets in Upper Burma, and is eaten by cattle. China, India, &c. (Jardin des Plantes, Paris.)

Oxalis anthelminthica, A. Br. (Damm. Cat. 1893, p. 5.) Geraniaceæ. G. A charming species with purple or lilac flowers. Abyssinia. (Dammann & Co., Naples.)

***Oxytenanthera abyssinica,** Munro. (*K. B.* 1893, p. 341) Bambuscæ. S. A tall growing bamboo which is widely distributed in Africa, with canes 3 in. wide at the base, and lanceolate leaves 6 in. long. Introduced from Lake Nyassa by Lord de Saumarez, who presented a plant to Kew.

Pæonia lutea, Franchet. (*W. G.* 1893, p. 30.) Ranunculaceæ. G. A yellow-flowered Pæony from Yunnan. (Jardin des Plantes, Paris.)

***Pelexia maculata,** Rolfe. (*K. B.* 1893, p. 7.) Orchideæ. S. A new species with shining olive-green leaves blotched with grey above and purplish below. Scape 12 in. long, purple, clothed with sheaths and bracts and bearing green, pink-tipped flowers. Habitat not recorded. (Kew and Glasnevin.)

Pentas quartiniana, Oliv. (*W. G.* 1893, p. 143, f. 31.) Rubiaceæ. S. A variety of the old *P. carnea*, than which it is said to be finer and freer flowering. Abyssinia. (Dammann & Co., Naples.)

Phaius amabilis. (*G. C.* 1893, v. xiii., pp. 206, 226, fig. 32; *O. R.* v. i., p. 87.) Orchideæ. S. A garden hybrid between *P. grandifolius* and *P. tuberculosus*. (J. Veitch & Sons.)

Phaio-Calanthe sedeniana albiflora. (*G. C.* 1893, v. xiii., p. 80.) S. A garden hybrid between *Phaius grandifolius* and *Calanthe vestita*, var. (J. Veitch & Sons.)

Phaio-Calanthe sedeniana rosea. (*O. R.* v. i., p. 85.) S. A garden hybrid between *Calanthe Veitchii* and *Phaius grandifolius*. In the type the Phaius was the seed parent but in this variety it was the pollen parent. (J. Riley.)

Phaius Gravesii. (*G. and F.* 1893, v. vi., p. 169; *O. R.* v. i., p. 241, fig. 13.) S. A garden hybrid between *P. Wallichii* and *P. grandifolius*. *P. hybridus*, raised by D. O. Drewett in 1892, is from the same parents. (H. Graves, New Jersey.)

Phaius roseus, Rolfe. (*K. B.* 1893, p. 6.) S. A new species with lanceolate leaves a foot long, and an erect scape 15 in. long, bearing six flowers, which are 2 in. across, and coloured pale rose with white spots on the lip and the spur yellow. ? W. Trop. Africa. (Earl of Scarborough.)

Phalænopsis fugax, Kranzlin. (*G. C.* 1893, v. xiv., p. 360.) Orchideæ. S. A new species, with small green leaves and small yellowish flowers, which have the peculiar character of expanding at about 9 a.m. and fading at about 3 p.m. on the same day. Habitat not recorded. (Sir T. Lawrence.)

Phalænopsis intermedia var. **Vesta.** (*G. C.* 1893, v. xiii., p. 80; *O. R.* v. i., p. 52) S. A garden hybrid between *P. rosea*, var. *leucaspis*, and *P. Aphrodite*. (J. Veitch & Sons.)

Philodendron notabile, Hort. (*G. C.* 1893, v. xiii., p. 414.) Aroideæ. S. A stove plant of large dimensions with a short stem and long stalked lobed leaves, the blades 2 ft. long and cordate, coloured deep green. Habitat not recorded. (W. Bull.)

[The genus of this plant is uncertain until it flowers.]

Phœnix melanocarpa, Naudin. (*G. C.* 1893, v. xiv., p. 299.) Palmæ. S. A supposed large fruited variety of *P. senegalensis*, Hort. It has black edible fruits. Said to have originated in a garden on the Riviera.

***Pholidota Lugardi,** Rolfe. (*K. B.* 1893, p. 6.) Orchideæ. S. A new species allied to *P. articulata* but larger in all its parts. The racemes are 6 in. long, pendent, and clothed with small shell-like white flowers. Western Burma. (Kew.)

Physosiphon Lindleyi, Rolfe. (*K. B.* 1893, p. 61.) Orchideæ. S. A new species near *P. Loddigesii*, with the largest flowers of any species known. Stem 2 in. long; leaves oblong obtuse, 3 in. long; scape 4 in. long, flowers ¾ in. long, green, with red sepals. Mexico. (Glasnevin.)

***Pleurothallis maculata,** Rolfe. (*K. B.* 1893, p. 334.) Orchideæ. S. A new species allied to *P. recurva*;

leaves 2 in. long, blotched with dull purple; flowers small, white and purple. Brazil. (Kew.)

*Pleurothallis pergracilis, Rolfe. (*K. B.* 1893, p. 334.) S. A new species, allied to *P. marginata*. It has small spathulate leaves in a dense tuft, and scapes 4 in. high, bearing very small yellowish flowers with purple lines. British Honduras. (Kew.)

Pleurothallis puberula, Rolfe. (*K. B.* 1893, p. 169.) S. A new species, allied to *P. univaginata*, but the flowers are smaller and more numerous; they are coloured green and dull yellow, and are fragrant. Habitat not recorded. (Glasnevin.)

Pleurothallis rhombipetala, Rolfe. (*K. B.* 1893, p. 4.) S. A new species allied to *P. arcuata*, with lax racemes of small green and purple flowers. Mt. Roraima. (Charlesworth & Co.)

*Pleurothallis unistriata, Rolfe. (*K. B.* 1893, p. 331.) S. A new species near *P. marginata*. Leaves only about an inch long; scape 2½ in. long, slender, bearing a few small whitish flowers with purple lines. Habitat not recorded. (Kew.)

*Polystachya Buchanani, Rolfe. (*K. B.* 1893, p. 335.) Orchideæ. S. A new species, very similar to *P. luteola*. Leaves about 6 in. long; scapes 12 in. long, flowers small, yellowish, with faint traces of purple. E. Trop. Africa. (Glasnevin & J. O'Brien.)

Polystachya imbricata, Rolfe. (*K. B.* 1893, p. 172.) S. A new species near *P. ensifolia*. Stems and leaves each about 3 in. long, spike short, branched, bearing small yellow and pink flowers. E. Trop. Africa. (J. O'Brien.)

Polystachya lawrenciana, Kränzlin. (*G. C.* 1893, v. xiv., p. 150.) S. A new species very near to *P. laxiflora*, differing in its simple raceme and in the colour of its small flowers, which are pale lilac and green. Fernando Po. (Sir T. Lawrence.)

*Protea rhodantha, Hook. f. (*B. M.* t. 7331.) Proteaceæ. G. A new species with a short swollen stem, twisted branches and sessile linear oblong green leaves; flower heads terminal, 3 in. across, rose coloured with orange stamens. Transvaal. (Kew.)

*Pteris serrulata, Linn. f. var. gigantea, Hort. (*G. C.* 1893, v. xiii., p. 79.) Filices. S. A variety with much larger fronds than the type. Garden origin? (H. B. May.)

Pyrus angustifolia, Ait. var. flore-pleno. (*B. T. O.* 1893, p. 180, f.) Rosaceæ. H. This is a double-flowered form of the old *P. coronaria* (not of *P. angustifolia*).

*Richardia Lutwychei, N. E. Br. (*G. C.* 1893, v. xiii., p. 568.) Aroideæ. G. First described as a new species but since recognised as *R. hastata*. A quantity of it was sold by auction last year under the name of "Pride of the Congo." (S. G. Lutwyche.)

*Richardia Rehmanni, Harrow. (*G. C.* 1893, v. xiv., pp. 564, 659, 770.) G. A species which differs from all others described in having lanceolate leaf-blades and spathes more or less tinged with rose-purple. S. Africa. It has been in cultivation in Botanic Gardens several years, but has only now attracted the notice of horticulturists.

*Saccolabium mooreanum, Rolfe. (*K. B.* 1893, p. 64.) Orchideæ. S. A new species allied to *S. Mimus*. Leaves 6 in. long, 1½ in. wide; scape 8 in. long, flowers small in a crowded short raceme, pink with green tips. New Guinea. (Glasnevin, &c.)

*Saintpaulia ionantha, Wendl. (*Gfl.* 1893, t. 1391.) Gesneraceæ. S. A charming plant with the habit of Ramondia pyrenaica. Flowers dark violet-blue with yellow anthers. Usumbara Mountains. E. Africa. (Baron von St. Paul, Silesia.)

Salix amplexicaulis, Hort. (*Gfl.* 1893, p. 674, f. 136.) Salicineæ. H. Described in periodical named as Boissier's species, but it is *S. amplexicaulis*, Bory., and a synonym of *S. oppositifolia*, Host. Morea.

Salix blanda, Anderss. (*Gfl.* 1893, p. 378.) H. A hybrid between *S. babylonica* and *S. fragilis*. (Späth, Berlin.)

Salix nigricans, Sm. var. moabitica, Bolle. (*Gfl.* 1893, p. 378.) H. A dwarf form of the black willow with finely fringed leaves. (Späth, Berlin.)

Salix purpurea, Linn. var. scharfenbergensis, Bolle. (*Gfl.* 1893, p. 378.) H. An ornamental form of the common purple willow. (Späth, Berlin.)

Salmia laucheana, Hort. (*G. C.* 1893, v. xiii., pp. 442, 481, fig. 72.) Cyclanthaceæ. S. Salmia is sunk under *Carludovica*, and this species is near *C. plicata*. It has large ensiform, plicated, coriaceous green leaves, with bilobed apices and sheathing bases. Antioquia. (F. Sander & Co.)

***Sansevieria Kirkii**, Baker. (*K. B.* 1893, p. 186.) Liliaceæ. S. A robust growing species allied to *S. longiflora*, producing stout thick leathery leaves 9 ft. high, which yield a valuable fibre; flowers in a dense head, tubular, white. Introduced to Kew in 1881 and since distributed, but it did not flower until last summer. E. Trop. Africa. (Kew.)

***Sarcochilus muscosus**, Rolfe. (*K. B.* 1893, p. 7.) Orchideæ. S. A new species allied to *S. hirtulus*. It has a dwarf stem, distichous oblong leaves, and a short hairy scape of small yellow and purple flowers. Andaman Islands. (Kew.)

Sarracenia mandaiana. (*G. C.* 1893, v. xiii., p. 455.) Sarraceniaceæ. G. A garden hybrid between *S. flava rubra* and *S. Drummondii*. (Pitcher & Manda.)

***Satyrium sphærocarpum**, Ldl. (*B. M.*, t. 7295.) Orchideæ. G. A terrestrial species with ovate oblong acute green leaves and an erect scape 12 in. high, bearing about 20 Orchis-like flowers, 1 in. long, white with red spots and lines. S. Africa. (Kew.)

***Scaphosepalum microdactylum** Rolfe. (*K. B.* 1893, p. 335.) Orchideæ. G. A new species, near *S. ochthodes*. It has oblong fleshy leaves, 2 in. long with three apical teeth, and scapes 5 in. long, bearing small greenish-yellow and brown flowers. Habitat not recorded. (Kew.)

Schomburgkia rosea, Linden. (*O. R.*, v. i, p. 103.) Orchideæ. S. A near ally of *S. undulata*, with smaller flowers coloured dull reddish-purple, the lip being purple rose with three white keels, and the column white spotted with purple. New Granada. (B. S. Williams & Son; H. J. Ross, Florence.)

***Scilla Buchanani**, Baker. (*G. C.* 1893, v. xiii., p. 568.) Liliaceæ. G. A new species with a small globose bulb, lanceolate green leaves a foot long, and a flexuose green scape 8 in. long bearing a dense raceme of green flowers with purple filaments. Nyassaland. (Kew.)

***Scilla leucophylla**, Baker. (*G. C.* 1893, v. xiii., p. 506.) H. A very distinct Scilla resembling some of the Hyacinths of the subgenus *Bellevalia*, but the segments in the flowers are free to the base. Flowers bright purple, tipped with green. Persia. (Max Leichtlin, Baden.)

Scopolia carniolica, Jacq. var. **hladnikiana**, Fleisch. (*G. C.* 1893, v. xiii., p. 418, f. 60.) Solanaceæ. This chiefly differs from the type in having creamy yellow scentless flowers. Eastern Europe. (Geo. Paul & Son.)

***Selaginella pitcheriana**, Hort. (*G. C.* 1893, v. xiv., p. 651.) Selaginellaceæ. S. A garden name for *S. erythropus*, Spring, var. *minor*. (Pitcher & Manda.)

Selenipedium Ainsworthii, var. **felicatum.** (*O. R.* vi., p 244). Orchideæ. S. A garden hybrid between *S. longifolium*, var. *hanksianum* and *S. Sedeni candidulum*. (Captain Hincks.)

Selenipedium Phædra. (*G. C.* 1893, v. xiii., p. 80; *O. R.* v. i., p. 62.) S. A garden hybrid between *S. lindleyanum* and *S. Sedeni* var. *candidulum*. Syn. *Cypripedium Phædra*. (J. Veitch & Sons.)

Selenipedium pulchellum. (*O. R.* v. i., p. 106.) S. A garden hybrid between *S. grande* and *S. Sedeni candidulum*. (W. Vanner.)

***Selenipedium sargentianum**, Rolfe. (*O. R.* v. i., p. 239.) S. A new species, closely allied to *S. lindleyanum*, which it resembles in habit, foliage, and flowers, differing chiefly in having a pair of small white tubercles on the inner margin of the side lobes of the lip. Brazil. (F. Sander & Co.)

Senecio leucostachys, Baker. (*R. H.* 1893, p. 104, figs. 37, 38.) Compositæ. G. or H. H. A subshrub with white tomentose pinnatisect leaves. Uruguay. (André, France.)

Sophora japonica hybrida, Carr. (*R. H.* 1893, p. 37.) Leguminosæ. H. A tree only differing from the typical weeping Sophora in the strong horizontally-spreading main branches and in the long thin pendulous smaller ones. (Vallerand, France.)

***Sphærolobium grandiflorum**, R. Br. (*B. M.* t. 7308.) Leguminosæ. G. A handsome greenhouse plant of broom-like habit, the long rush-like branches being clothed with small linear leaves and terminated by graceful racemes of bright yellow and red flowers. W. Australia (Kew.)

***Spiræa Bumalda**, Hort., var. **Anthony Waterer.** (*G. C.* 1893, v. xiv., p. 365, f. 57.) Rosaceæ. A form of this well-known garden plant with rich deep rose-coloured flowers. (A. Waterer.)

Stanhopea amesiana, Hort. (*G. C.* 1893, v. xiii., p. 518; *G. M.* 1893, p. 352, fig.) Orchideæ. S. A handsome plant with large white wax

flowers, the lip thick and hornless. It is probably only a variety of *S. Lowii*. (H. Low & Co.)

***Stanhopea Lowii,** Rolfe. (*K. B.* 1893, p. 63; *G. C.* 1893, v. xiv., pp. 630, 689. fig. 107.) S. A striking species of the *S. ecornuta* section, and differing from *S. amesiana* in having purple spots on the hypochile, and whitish buff sepals and petals. New Grenada. (H. Low & Co.)

Stenandrium goossensianum. (*Ill. H.* 1893, t. 168.) Acanthaceæ. S. A garden hybrid with variegated leaves, green and yellow, margined with brown. (L'Horticulture Internationale.)

***Strobilanthes dyerianus.** Hort. (*G. C.* 1893, v. xiii., p 442; *G. and F.* v. vi., p. 194; *J. of H.* v. xxvi., p. 359, fig. 66.) Acanthaceæ. S A free growing stove plant with opposite ovate acuminate leaves, coloured, especially when young, rich rosy-purple on a dark green ground. Flowers on erect spikes, funnel-shaped, an inch long, violet-blue. East Indies. (F. Sander & Co.)

Tamarix kashgarica. (*G. C.* 1893, v. xiii., p. 414.) H. A new species, discovered by Roborowsky in Central Asia; it differs in appearance from the rest of the genus, the leaves are very small, glaucous green, adpressed and imbricated. Plant has not yet flowered in cultivation. (Lemoine, Nancy.)

***Tchichatschewa isatidea,** Boiss. (*Gard.* 1893, v. 44, p 145.) Cruciferæ. H. A beautiful alpine; leaves dark green, beset with silky hairs. Flowers rosy-lilac, fragrant. Asia Minor. (Max Leichtlin, Baden.)

Tigridia grandiflora, Salisb. var. **liliacea,** Hort. (*G. and F.* v. vi., p. 367.) Irideæ. H. H. Supposed to be an accidental cross between *T. Pavonia* and *T. Pavonia* var. *alba*. It has reddish-purple flowers, with nearly white variegation. (F. H. Horsford, Vermont.)

Tigridia grandiflora, Salisb. var. **rosea,** Hort. (*G. and F.* v. vi., p. 367.) H. H. Supposed to be an accidental hybrid between *T. Pavonia* and *T. conchiflora*. It has yellow flowers tinged with rose. (F H. Horsford, Vermont.)

Tilia miqueliana, Max. (*G. and F.* 1893, v. vi., p. 141, fig. 19.) Tiliaceæ. H. A species nearly related to the Eastern European *T. argentea*. (Arnold Arboretum.)

Tillandsia leodiensis. (*Fl.* 1893, p. 340; *G. C.* 1893, v. xiii., p. 580.) Bromeliaceæ. S. A garden hybrid between *T. morreniana* and *T. Barilletii*. (In continental gardens these are called Vriesias.) (J. Veitch & Sons.)

***Tillandsia microxiphion,** Baker. (*B. M.* t. 7320.) S. A new species of the subgenus *Anoplophytum* and a near ally of *T. stricta*. It has short erect tufted stems, clothed with linear lepidote leaves 1 in. long, and terminated by an erect few-flowered spike, clothed with pink bracts and deep blue flowers. Monte Video. (Kew.)

Tillandsia xiphioides, Ker. var. **Arequitæ,** André. (*R. H.* 1893, p. 156, col. pl.) S. A fine variety with larger, whiter leaves, longer inflorescence, and more numerous and whiter flowers than the type. Uruguay. (André, France.)

***Tradescantia elongata,** Lind. (*G. C.* 1893, v. xiii., p. 474.) Commelinaceæ. S. "Leaves longer and narrower than " in *T. reginæ*, dark green with bands " of silvery white, and a dull purple " tinge down the midrib." Habitat not recorded. (L'Horticulture Internationale.)

***Tradescantia velutina,** Lind. (*G. C.* 1893, v. xiii, p. 475.) S. Leaves close, short, hairy, purple in the centre with a narrow band of silvery white on each side. Habitat not recorded. (L'Horticulture Internationale.)

***Trichocentrum albiflorum,** Rolfe. (*K. B.* 1893, p. 336.) Orchideæ. S. A new species allied to *T. candidum*. Leaves ovate, about an inch long; raceme as long as the leaves; flowers about an inch across with a short, bidentate spur, white with a tinge of purple at the base of the lip. Mexico. (Kew.)

Triteleia uniflora, Lindl. var. **cærulea,** André. (*R. H.* 1893, p. 256, pl.) Liliaceæ. H. A form differing from the type in having porcelain blue flowers. (André, France.)

Triteleia uniflora, Lindl. var. **Stella,** Hort. Damm. (*Damm. Cat.* 1893, p. 5.) H. An improved form of the species. (Dammann & Co., Naples.)

Tulipa concinna, Baker. (*G. C.* 1893, v. xiii., p. 538.) Liliaceæ. H. A species with crimson flowers allied to *T. undulatifolia*, *T. ciliatula*, and *T. dammaniana*. Taurus. (Whittall, Smyrna.)

Tulipa Harmonia, Sprenger. (*Damm. Cat.* 1893, p. 5.) An early-flowering form of *T. undulatifolia*, with large

bright scarlet flowers, having large black gold-bordered spots at the base. Taurus. (Dammann & Co., Naples.)

*Uraria crinita, Desv. (*G. and F.* 1893, v. vi., p. 424.) Leguminosæ. S. A dwarf erect perennial with pinnate leaves not unlike those of *Wistaria*, and erect racemes of purplish-rose flowers, and conspicuous rose-coloured ciliated bracts. India and China. (Kew.)

Vallota purpurea, Herb. var. delicata, Hort. (*G. C.* 1893, v. xiii., p. 641.) Amaryllideæ. G. A variety with pale red flowers. (R. Veitch & Sons.)

Vanda Miss Joachim. (*G. C.* 1893 v. xiii., p. 741.) Orchideæ. S. A garden hybrid between *V. hookeriana* and *V. teres*. (Singapore Bot. Gard.)

Vanda tricolor, Lindl. var. Hoveæ, L. Lind. (*L.* t. 396.) S. A variety with yellowish sepals, and petals thickly spotted all over with red; the lip is rose-crimson. (L'Horticulture Internationale.)

Vanda tricolor, Lindl. var. Wallichii, André. (*R. H.* 1893, p. 328, pl.) S. A form with yellow ground colour spotted with red-brown, lip lilac-rose. (De la Devansaye, France.)

Verbascum wiedemannianum, Fisch. et Mey. (*G. C.* 1893, v. xiv., p. 785.) Scrophularineæ. H. A perennial species with flowers changing from indigo-blue to purplish-lilac. N. Kurdistan. (Haage & Schmidt, Erfurt.)

Verbesina pinnatifida, Hort. (*Bruant Cat.* 1893, No. 216, p. 7, fig. .) Compositeæ. G. A new introduction which grows many feet high and has large pinnatifid leaves remarkable for their elegance. Guatemala. (Bruant, Poitiers.)

*Veronica Colensoi, Hook. f. (*G. M.* 1893, p. 269.) Scrophularineæ. H. H. A shrubby species closely allied to *V. Traversii* and bearing a profusion of small trusses of lavender-blue flowers. (New Zealand.)

*Veronica Fairfieldii, Hook. f. (*B. M.* t. 7323.) H. H. A new species or possibly a natural hybrid closely related to *V. hulkeana*. It has short branches, ovate, toothed leaves less than an inch long, green with a brownish margin; flowers lavender coloured on short erect branched racemes. New Zealand. (Edinburgh Bot. Gard.)

*Veronica loganioides, Armstr. (*Gard.* 1893, v. 44, p. 436.) H. A dwarf species belonging to the conifer-like section. The plant is yellowish-green in colour bearing racemes of white flowers. New Zealand. (Stansfield Bros.)

*Vitis Coignetiæ, Planch. (*G. and F.* 1893, v. vi., p. 450.) Ampelideæ. H. Introduced into France and America a few years ago from Japan, and at first mistaken for *V. Labrusca*, Linn., which it resembles in habit and foliage. It is remarkable for the rich crimson colour assumed by its leaves in autumn. Japan.

Vriesia hybrida Pommer-Escheana, (*Gfl.* 1893, p. 129, tab. 1388.) Bromeliaceæ. S. A garden hybrid between *V. morreniana* and *V. splendens*.

Vriesia purpurascens, Hort. (*G. C.* 1893, v. xiii., p. 413.) S. A richly coloured plant, the leaves dark green flushed with purple, wholly purple on underside. Brazil. (W. Bull.)

[Until the plant flowers the genus is uncertain.]

Vriesia tesselata, Morren. var. Sanderæ, Hort. (*G. C.* 1893, v. xiii., p. 442.) S. A variety with leaves prettily variegated in white and yellow bands on a green tesselated ground. S. Brazil. (F. Sander & Co.)

*Wittsteinia vaccineacea, F. v. Muell. (*K. B.* 1893, p. 112.) Ericaceæ. G. The only species known, and one of the very few representatives of the Ericaceæ in Australia. It is a sub-alpine with prostrate creeping stems and ascending branches a foot long, clothed with small thick roundish toothed leaves and small axillary yellowish or red campanulate flowers. Australia. (Kew.)

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ROYAL GARDENS, KEW.

BULLETIN

OF

MISCELLANEOUS INFORMATION.

APPENDIX III.—1894.

LIST of the STAFFS of the ROYAL GARDENS, Kew, and of Botanical Departments and Establishments at Home, and in India and the Colonies, in Correspondence with Kew.

* Trained at Kew. † Recommended by Kew.

Royal Gardens, Kew:—

Director	W. T. Thiselton-Dyer, C.M.G., C.I.E., F.R.S., Ph.D., M.A., F.L.S.
Assistant-Director	Daniel Morris, C.M.G., D.Sc., M.A., F.L.S.
Assistant (Office)	*John Aikman.
" "	*William Nicholls Winn.

Keeper of Herbarium and Library	John Gilbert Baker, F.R.S., F.L.S.
Principal Assistant (Phanerogams)	*William Botting Hemsley, F.R.S., A.L.S.
" " (Cryptogams)	George Massee.
Assistant (Herbarium)	Nicholas Edward Brown, A.L.S.
" "	*Robert Allen Rolfe, A.L.S.
" "	Charles Henry Wright.
" "	Sidney Alfred Skan.
" for India	Otto Stapf, Ph.D.

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Honorary Keeper, Jodrell Laboratory	Dukinfield Henry Scott, F.R.S., M.A., Ph.D., F.L.S.

Curator of Museums	John Reader Jackson, A.L.S.
Assistant (Museum)	John Masters Hillier.
Preparer	George Badderly.

Curator of the Gardens	George Nicholson, A.L.S.
Assistant Curator	William Watson.
Foremen :—	
Arboretum	*William J. Bean
Herbaceous Department	*Walter Irving.
Greenhouse and Ornamental Department	Frank Garrett.
Temperate House (Sub-tropical Department)	*Thomas Jones.

Cambridge.—University Botanic Garden :—

Professor	Charles C. Babington, F.R.S., F.L.S.
Deputy Professor	Francis Darwin, M.B., F.R.S., F.L.S.
Curator	*Richard Irwin Lynch, A.L.S.

Dublin.—Royal Botanic Gardens, Glasnevin :—

Keeper	Frederick W. Moore, A.L.S.

Trinity College Botanic Gardens :—

Professor	E. Perceval Wright, M.D., F.L.S., Sec. R.I.A.
Curator	*F. W. Burbidge, M.A., F.L.S.

Edinburgh.—Royal Botanic Garden :—

Regius Keeper	Isaac Bayley Balfour, M.D., D.Sc., F.R.S., F.L.S.
Curator	Robert Lindsay.

Glasgow.—Botanic Gardens :—

University Professor	F. O. Bower, D.Sc., F.R.S., F.L.S.
Curator	*Daniel Dewar.

Oxford.—University Botanic Garden :—

Professor	Sydney H Vines, D.Sc., F.R.S., F.L.S
Curator	*William Baker.

COLONIES.

Antigua. (*See* Leeward Islands.)

Barbados.—Dodd's Reformatory, Botanic Station :—
Superintendent - John R. Bovell, F.C.S.

British Guiana.—Botanic Gardens :—

Georgetown	Superintendent and Government Botanist	*George S. Jenman, F.L.S.
	Head Gardener	†John F. Waby.
	Second „	*Robert Ward.
	Promenade Garden :—	
	Head Gardener	William Jackson.
Berbice	Keeper	Richard Hunt.

British Honduras.—Botanic Station :—
Curator - †James McNair

Canada.—

Ottawa	Dominion Botanist	Prof. John Macoun, M.A., F.R.S.C., F.L.S.
	Assistant „	Jas M. Macoun.
	Director of Government Experimental Farms	Prof. Wm. Saunders, F.R.S.C., F.L.S.
	Botanist and Entomologist.	James Fletcher, F.L.S.
Montreal	Director, University Botanic Garden.	Prof. D. P. Penhallow, B.Sc.

Cape Colony.—

	Government Botanist	Prof. MacOwan, F.L.S.
	Gardens and Public Parks :—	
Cape Town	Curator	H. J. Chalwin.
Grahamstown	Curator	Edwin Tidmarsh.
Port Elizabeth	(St. George's Park) :— Superintendent	John T. Butters.
King Williamstown	Curator	———
Graaf Reinet	„	J. C. Smith.
Uitenhage	„	H. Fairey.

Ceylon.—Department of Royal Botanic Gardens :—

	Director	†Henry Trimen, M.B., F.R.S., F.L.S.
Peradeniya	Head Gardener	*Peter D. G. Clark.
	Clerk	J. Ferdinandus.
	Draughtsman	W. de Alwis.
Hakgala	Superintendent	*William Nock.
	Clerk and Foreman	M. G. Perera.
Henaratgoda	Conductor	S. de Silva, Arachchi.
Anuràdhapura	„	D. F. de Silva.
Badulla	„	D. A. Guneratne.

Dominica. (*See* Leeward Islands.)

Fiji.—Botanic Station :—

	Curator -	- *Daniel Yeoward.

Gambia.—Botanic Station :—

	Curator -	- *Walter Haydon.

Gold Coast.—Botanic Station :—

	Curator -	- *William Crowther.

Grenada.—Botanic Garden :—

	Curator -	- *Walter E. Broadway.

Hong Kong.—Botanic and Afforestation Department :—

	Superintendent -	†Charles Ford, F.L.S.
	Assistant Superintendent.	*W. J. Tutcher.

Jamaica.—Department of Public Gardens and Plantations :—

	Director -	†William Fawcett, B.Sc., F.L.S.
Hope Gardens -	Superintendent -	*William Cradwick.
Castleton Garden	„ -	Eugene Campbell.
Cinchona (Hill Garden).	„ -	*William Harris.
Kingston Parade Garden.	„ -	John Campbell.
King's House Garden.	„ -	*William J. Thompson.
Bath - -	Overseer - -	W. Groves

Lagos.—Botanic Station :—

	Curator -	- *Henry Millen.
	Assistant -	- *F. G. R. Leigh.
	„ -	- *T. B. Dawodu.

Leeward Islands.—Agricultural Department :—

	Superintendent -	†Charles A. Barber, M.A. F.L.S.
Botanic Stations :—		
Antigua - -	Curator -	- *Arthur G. Tillson.
Dominica -	„ -	*Joseph Jones.
Montserrat -	Head Gardener -	Henry Maloney.
St. Kitts-Nevis -	„ „ -	Joseph Wade.

Malta.—Argotti Botanic Garden :—

	Director - -	Dr. Francesco Debono.

Mauritius.—Department of Forests and Botanic Gardens :—

Pamplemousses -	Director - -	*William Scott.
	Assistant Director of Gardens.	J. Vankeirsbilck.
	Assistant Director of Forests.	P. Randabel.
Curepipe - -	Overseer - -	William A. Kennedy.

Montserrat. (*See* Leeward Islands.)

Natal.—Botanic Gardens :—

Durban - -	Curator - -	John Medley Wood, A.L.S.
	Head Gardener -	*James Wylie.
Pietermaritzburg	Curator - -	G. Mitchell.

New South Wales.—Botanic Gardens:—

Sydney	Director	Charles Moore, F.L.S.

New Zealand:—

Wellington.—Colonial Botanic Garden:—		
	Director	Sir James Hector, K.C.M.G., F.R.S.
	Head Gardener	G. Gibb.
Dunedin	Superintendent	J. McBean.
Napier	„	W. Barton.
Invercargill	Head Gardener	Thomas Waugh.
Auckland	Ranger	William Goldie.
Christchurch	Head Gardener	*Ambrose Taylor.

Niger Coast Protectorate.—Botanic Garden:—

Old Calabar	Curator	Horace W. L. Billington

Queensland.—Botanic Department:—

Brisbane	Colonial Botanist	F. M. Bailey, F.L.S.
Botanic Gardens:—		
	Curator	*Philip MacMahon.
	Overseer	J. Tobin.
Acclimatisation Society's Gardens:—		
	Secretary and Manager	Wm. Soutter.
	Assistant „	A. Humphrey.
Rockhampton	Superintendent	J. S. Edgar.

St. Kitts-Nevis. (*See* Leeward Islands.)

St. Lucia.—Botanic Station:—

	Curator	†John Gray.

St. Vincent.—Botanic Station:—

	Curator	*Henry Powell.

South Australia.—Botanic Gardens:—

Adelaide	Director	Maurice Holtze, F.L.S.
Port Darwin	Curator	Nicholas Holtze.

Straits Settlements.—Gardens and Forest Department:—

Singapore	Director	†H. N. Ridley, M.A., F.L.S.
	Assistant Superintendent.	*Walter Fox.
Penang	Assistant Superintendent	†Charles Curtis, F.L.S.
Malacca	„	*Robert Derry.

Perak (Kuala Kangsar).—Government Plantations:—

	Superintendent	Oliver Marks.

Tasmania.—Botanic Gardens:—

Hobart Town	Superintendent	F. Abbott.

Trinidad.—Royal Botanic Gardens:—

	Superintendent	†John H. Hart, F.L.S.
	Assistant „	*William Lunt.

Victoria.—

Melbourne	Government Botanist	Sir F. Von Mueller, K.C.M.G., F.R.S., F.L.S.
Botanic Gardens:—		
	Director	W. R. Guilfoyle, F.L.S.

INDIA.

Botanical Survey.—Director, George King, M.D., LL.D., C.I.E., F.R.S., F.L.S.

Bengal, Assam, Burma; the Andamans and Nicobars; North-East Frontier Expeditions:—

Superintendent of the Royal Botanic Gardens, Calcutta -	George King, M.D., LL.D., C.I.E., F.R.S., F.L.S.

Bombay, including Sind:—

Madras: the State of Hyderabad and the State of Mysore:—

Government Botanist and Director of Cinchona Plantations -	†M. A. Lawson, M.A., F.L.S.

Western Provinces and Oudh; the Punjab; the Central Provinces; Central India; Rajputana; North-West Frontier Expeditions:—

Director of the Botanic Department Northern India, Saharanpur, N.W.P.	†J. F. Duthie, B.A., F.L.S.

Bengal.—Department of Royal Botanic Gardens:—

Calcutta (Seebpore)	Superintendent -	George King, M.D., LL.D., C.I.E., F.R.S., F.L.S.
	Curator of Herbarium	Dr. David Prain, F.L.S., F.R.S.E.
	,, Garden -	*Robert L. Proudlock.
	Assistant ,, -	*G. T. Lane.
Mungpoo -	Superintendent, Government Cinchona Plantations - -	George King, M.D., LL.D., C.I.E., F.R.S., F.L.S.
	Deputy ,, -	*J. A. Gammie.
	1st Assistant - -	*R. Pantling.
	2nd ,, - -	*Joseph Parkes.
	3rd ,, - -	G. A. Gammie.
	4th ,, - -	*Amos Hartless.

Darjeeling; Lloyd Botanic Garden:—

Curator - -	*William A. Kennedy.

Darbhangah; Maharajah's Garden.—

Superintendent -	Herbert Thorn.

Bombay.—

Poona - -	
Lecturer on Botany -	*G. Marshall Woodrow.

Ghorpuri.—Botanic Garden:—

Superintendent -	A. R. Lister.

Bombay.—Municipal Garden:—

Superintendent -	C. D. Mahaluxmivala.

Central Provinces.—

Nagpur - -	Superintendent of Public Gardens.	*J. R. Ward.

Madras.—Botanic Department:—

Ootacumund -	Government Botanist and Director of Government Gardens, Parks, and Cinchona Plantations -	†M. A. Lawson, M.A., F.L.S.
	Curator of Gardens and Parks	*Andrew Jamieson.

Madras.—Agri-Horticultural Society:—

Hon. Secretary -	Col. H. W. H. Cox.
Superintendent -	*J. M. Gleeson.

Native States.—

Mysore (Bangalore)	Superintendent -	*J. Cameron, F.L.S.
	Curator - -	*J. Horne Stephen.
Baroda - -	Superintendent -	*G. H. Krumbiegel.
	„ New Works	*J. M. Henry.
Gwalior - -	„	†C. Maries, F.L.S.
Morvi - -	„	*Joseph Beck.
Travancore(Trivandrum)	„	*Frederick James Ingleby.
Udaipur - -	„	*T. H. Storey.

North-West Provinces.—

Agra (Taj Garden)	Superintendent -	F. J. Bullen.
Allahabad -	„ -	*J. Phillips
Cawnpur -	„ -	G. H. T. Mayer.
Lucknow -	„ -	*Matthew Ridley.
Saharanpur and Branch Garden, Mussoorie.	„ -	William Gollan.

Punjab:

Lahore - -	Superintendent -	H. G. Hein.
Simla - -	„ -	*A. Parsons.